

WDID	STATUS	SPILL ID	CERT PERSON NAME	STEP
1SSO10001	Active	651210	ROBERT CHARLES CLASS	Certified
1SSO10001	Active	653241	Bill Gilmer for R. Charles Class	Certified
1SSO10001	Active	653243	R Charles Class	Certified
1SSO10001	Active	706941	Erik C. Lust	Certified
1SSO10001	Active	706943	Erik C. Lust	Certified
1SSO10001	Active	708557	robert charles class	Certified
1SSO10001	Active	708562	robert charles class	Certified
1SSO10001	Active	710559	robert charles class	Certified
1SSO10001	Active	712177	Robert charles class	Certified
1SSO10001	Active	712178	robert charles class	Certified
1SSO10001	Active	715663	roberet charles class	Certified
1SSO10001	Active	715664	robert charles class	Certified
1SSO10001	Active	716861	robert charles class	Certified
1SSO10001	Active	724003	robert charles class	Certified
1SSO10001	Active	725604	robert charles class	Certified
1SSO10001	Active	725613	robert charles class	Certified
1SSO10001	Active	725616	robert charles class	Certified
1SSO10001	Active	730185	Robert Charles Class	Certified
1SSO10001	Active	731410	robert c classs	Certified
1SSO10001	Active	732934	ROBERT CHARLES CLASS	Certified
1SSO10001	Active	734401	Robert Charles class	Certified
1SSO10001	Active	734405	robert charles class	Certified
1SSO10001	Active	735748	robert charles class	Certified
1SSO10001	Active	735749	robert charles class	Certified
1SSO10001	Active	738326	R charles Class	Certified
1SSO10001	Active	738335	robert charles class	Certified
1SSO10001	Active	738337	robert charles class	Certified
1SSO10001	Active	742592	Robert Charles Class	Certified
1SSO10001	Active	742598	robert charles class	Certified
1SSO10001	Active	748098	robert charles class	Certified
1SSO10001	Active	748102	robert charles class	Certified
1SSO10001	Active	748143	robert c class	Certified
1SSO10001	Active	749956	Robert Charles Class	Certified
1SSO10001	Active	755685	robert charles class	Certified
1SSO10001	Active	758244	robert c class	Certified
1SSO10001	Active	758246	robert c class	Certified
1SSO10001	Active	759069	robert c class	Certified
1SSO10001	Active	759071	robert c class	Certified
1SSO10001	Active	761196	robert c class	Certified
1SSO10001	Active	761208	r c class	Certified
1SSO10001	Active	765170	Erik C. Lust	Certified
1SSO10001	Active	765187	r c class	Certified
1SSO10001	Active	765204	Robert c class	Certified
1SSO10001	Active	766428	Erik C. Lust	Certified
1SSO10001	Active	767802	Erik C. Lust	Certified
1SSO10001	Active	770868	Erik C. Lust	Certified
1SSO10001	Active	773050	Erik C. Lust	Certified
1SSO10001	Active	774858	Erik C. Lust	Certified
1SSO10001	Active	774859	Erik C. Lust	Certified
1SSO10001	Active	776125	Erik C. Lust	Certified
1SSO10001	Active	776127	Erik C. Lust	Certified
1SSO10001	Active	776214	Erik C. Lust	Certified
1SSO10001	Active	776215	Erik C. Lust	Certified
1SSO10001	Active	776216	Erik C. Lust	Certified

CERT PERSON TITLE
PUBLIC WORKS DIRECTOR
Director of Public Works
Director of Public Works
Water/Wastewater Superintendent
Water/Wastewater Superintendent
public works director
public works director
pw director
city engineer
city engineer
public works director/ city engineer
public works director/city engineer
city engineer
city engineer
city engineer
city engineer
city engineer
city engineer
public works director
city engineer
CITY ENGINEER
City engineer
city engineer
city engineer
City engineer
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city engineer
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City engineer
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City engineer
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City engineer
city engineer
city engineer
city engineer
city engineer
city engineer
city engineer
city engineer
W/WW Superintendent
city engineer
City engineer
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
W/WW Superintendent
W/WW Superintendent
W/WW Superintendent
Water/Wastewater Superintendent
W/WW Supervisor
Water/Wastewater Superintendent
Water/Wastewater Superintendent
W/WW Superintendent

CERT LOCATION	CERT ID
ARCATA, CA	862454
Arcata, CA	239385
Arcata, CA	229532
City of Arcata	573428
City of Arcata	375283
city hall	314804
city hall	642033
cityhall	263113
residence	445651
cityhall	714302
cityhall	916209
cityhall	701274
cityhall arcata	411819
cityhall	248627
cityhall	965852
cityhall	647940
cityhall	985576
cityhall arcata	129813
cityhall	666877
CITYHALL	812455
cityhall	147648
cityhall	955025
cityhall	537376
cityhall	914527
cityhall	874165
cityhall	484753
cityhall	394237
cityhall	202803
cityhall	375783
cityhall	952785
cityhall	395973
cityhall	945183
cityhall	353524
cityhall	550610
cityuhall	582495
cityhall	307232
cityhall	923151
cityhall	112743
cityhall	997118
cityhall	105127
City of Arcata	296284
cityhall	491593
cityhall	959688
City of Arcata	195426
City of Arcata	817810
City of Arcata	426577
City of Arcata	786784
City of Arcata	511575
City of Arcata	695218
City of Arcata	625960
City of Arcata	909896
City of Arcata	563775
City of Arcata	722082
City of Arcata	252934

SPILL CREATED DT	SUBMIT DRAFT DATE	ORIGINAL CERTIFIED DATE	CERT DT
31-May-07		31-May-07	5/31/2007
29-Jun-07		29-Jun-07	6/29/2007
29-Jun-07		29-Jun-07	6/29/2007
31-Oct-07		10-May-13	5/10/2013
31-Oct-07		10-May-13	5/10/2013
30-Nov-07		30-Nov-07	11/30/2007
30-Nov-07		30-Nov-07	11/30/2007
31-Dec-07		31-Dec-07	12/31/2007
1-Feb-08		1-Feb-08	2/1/2008
1-Feb-08		1-Feb-08	2/1/2008
1-Apr-08		1-Apr-08	4/1/2008
1-Apr-08		1-Apr-08	4/1/2008
1-May-08		1-May-08	5/1/2008
31-Jul-08		31-Jul-08	7/31/2008
2-Sep-08		2-Sep-08	9/2/2008
2-Sep-08		2-Sep-08	9/2/2008
2-Sep-08		2-Sep-08	9/2/2008
4-Dec-08		4-Dec-08	12/4/2008
5-Jan-09		5-Jan-09	1/5/2009
3-Feb-09		3-Feb-09	2/3/2009
27-Feb-09		2-Mar-09	3/2/2009
27-Feb-09		3-Mar-09	3/3/2009
1-Apr-09		1-Apr-09	4/1/2009
1-Apr-09		1-Apr-09	4/1/2009
1-Jun-09		1-Jun-09	6/1/2009
1-Jun-09		1-Jun-09	6/1/2009
1-Jun-09		1-Jun-09	6/1/2009
6-Aug-09		6-Aug-09	8/6/2009
6-Aug-09		6-Aug-09	8/6/2009
4-Jan-10		2-Feb-10	2/2/2010
4-Jan-10		2-Feb-10	2/2/2010
5-Jan-10		12-May-11	5/12/2011
1-Mar-10		1-Mar-10	3/1/2010
2-Aug-10	8/2/2010	2-Aug-10	8/2/2010
29-Oct-10	10/29/2010	29-Oct-10	10/29/2010
29-Oct-10	10/29/2010	1-Nov-10	11/1/2010
2-Dec-10	12/2/2010	2-Dec-10	12/2/2010
2-Dec-10	12/2/2010	2-Dec-10	12/2/2010
13-Jan-11	5/12/2011	12-May-11	5/12/2011
14-Jan-11	1/14/2011	12-May-11	5/12/2011
5-Apr-11	4/5/2011	12-May-11	3/23/2012
5-Apr-11	4/5/2011	12-May-11	5/12/2011
6-Apr-11	4/6/2011	12-May-11	5/12/2011
12-May-11	5/12/2011	23-Mar-12	3/23/2012
24-Jun-11	6/24/2011	23-Mar-12	3/23/2012
8-Sep-11	9/8/2011	23-Mar-12	3/23/2012
14-Nov-11	11/14/2011	23-Mar-12	3/23/2012
28-Dec-11	12/28/2011	23-Mar-12	3/23/2012
28-Dec-11	12/28/2011	23-Mar-12	3/23/2012
20-Jan-12	1/20/2012	20-Jan-12	1/20/2012
20-Jan-12	1/20/2012	23-Mar-12	3/23/2012
21-Jan-12	1/21/2012	23-Jan-12	1/23/2012
21-Jan-12	1/21/2012	23-Jan-12	1/23/2012
21-Jan-12	1/21/2012	23-Jan-12	3/23/2012

SPILL TYPE	SPILL VOL REACH LAND	SPILL VOL	SPILL VOL RECOVER
Category 1		50	10
Category 3		6	6
Category 3		6	6
Category 1		960	0
Category 3		100	80
Category 3		3	3
Category 3		15	15
Category 3		3	3
Category 1		290	5
Category 1		2780	0
Category 3		1	1
Category 3		2	0
Category 3		3	3
Category 3		20	20
Category 1		117	0
Category 3		3	3
Category 3		3	3
Category 3		2	2
Category 1		50	0
Category 1		5	2
Category 1		1950	0
Category 3		665	0
Category 3		3	3
Category 3		20	19
Category 3		2	2
Category 1		10	0
Category 3		1	1
Category 3		525	0
Category 3		10	10
Category 1		1875	0
Category 3		20	20
Category 3		11	11
Category 3		7	7
Category 3		900	0
Category 1		320	0
Category 1		48	30
Category 3		1	1
Category 1		900	0
Category 1		5	0
Category 3		1	1
Category 1		1350	0
Category 1		1650	0
Category 3		50	0
Category 3		5	5
Category 3		1	0
Category 3		20	20
Category 3		2	0
Category 3		7	0
Category 3		20	15
Category 1		5653	500
Category 3		70	70
Category 1		4166	0
Category 1		1200	0
Category 1		2000	0

SPILL VOL REACH SURF	REACH_SURFACE	REACH STORM DRAINPIPE
20	No	Yes
	No	No
	No	No
960	Yes	No
	No	No
	No	No
	No	No
	No	No
290	Yes	No
2780	Yes	No
0	No	No
0	No	No
0	No	No
0	No	No
117	Yes	Yes
0	No	No
0	No	No
0	No	No
50	Yes	No
3	Yes	No
1950	Yes	Yes
0	Yes	Yes
0	No	No
0	No	No
0	No	No
10	No	Yes
0	No	No
0	No	No
0	No	No
1875	Yes	Yes
0	No	No
0	No	No
0	No	No
0	No	Yes
320	Yes	Yes
10	Yes	Yes
0	No	No
900	Yes	Yes
1	Yes	Yes
0	No	No
1350	Yes	No
1650	Yes	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
5153	Yes	Yes
0	No	No
4166	Yes	Yes
1200	Yes	Yes
2000	Yes	Yes

[illegible]

SPILL LOC NAME
FAIRWINDS MOTEL LATERAL ON HWY 101 SB (16TH AND F ST)
near 544 24th Street
near 544 24th Street
Pickwick apartments clean-out
2500 LK wood blvd
spotlight video
Feurworker building HSU
alley behind 941 bayview
pickwick manhole
pickwick manhole
spot light video
bayside LS#1
spot light video
3310 ribiero
3749 west end road creative plastics
1255 McMahon Ct.
residence 1532 charles
532 h st CO
pickwick
foot print recycling
hwy 101 aty 14th st
1935 h street
588 H st
560 Park ave apt a
spotlight video
14th and K
14th and K
hwy 101 NB shoulder 1000' South of Giuntoli LN
588 H st
Pickwick manhole
580 H street
redwd park bayview manhole
1519 F st
601 diamond
hwy 101 at 11th
1515 stromberg
608 9th St
hwy 101 at 15th
Cleanout at 5th & H Streets
73 12th Street
Pickwick Vault
475 5th Street
Bayside Lift Station #1
1504 G st
1590 Hilfiker Drive
1726 Buttermilk Lane, Arcata, CA
815 J Street. Arcata. CA.
86 East 15th Street
630 9th Street
475 5th Street
1502 Charles, Arcata, CA 95521
475 5th Street
Manhole in parking lot behind Safeway
Pickwick Apartment Surge Tanks

LATTITUDE DECIMAL DEGREES	LONGITUDE DECIMAL DEGREES	COUNTY
40.875	124.081944	Humboldt
40.879722	124.078611	Humboldt
40.879722	124.078611	Humboldt
40.86	124.07	Humboldt
40.88	124.08	Humboldt
40.867167	124.085889	Humboldt
40.877444	124.080778	Kern
40.866797	124.076306	Humboldt
40.855111	124.088611	Humboldt
40.855111	124.088611	Humboldt
40.867056	124.085889	Humboldt
40.849417	124.068861	Humboldt
40.867056	124.085861	Humboldt
40.891694	124.089972	Humboldt
40.893	124.080028	Humboldt
40.882722	124.086972	Humboldt
40.86025	124.064833	Humboldt
40.866528	124.087972	Humboldt
40.859528	124.074556	Humboldt
40.899583	124.074778	Humboldt
40.873333	124.0825	Humboldt
40.877139	124.083972	Humboldt
40.866528	-124.088528	Humboldt
40.868556	-124.072861	Humboldt
40.867333	-124.083606	Humboldt
40.878472	-124.093444	Humboldt
40.873833	-124.1395	Humboldt
40.849944	-124.084111	Humboldt
40.86651	-124.13775	Humboldt
40.859528	-124.074417	Humboldt
40.866417	-124.087667	Humboldt
40.8692	-124.0755	Humboldt
40.87357	-124.08317	Humboldt
40.88837	-124.07911	Humboldt
40.873389	-124.0165	Humboldt
40.88358	-124.08851	Humboldt
40.868864	-124.084669	Humboldt
40.873392	-124.015833	Humboldt
40.86594	-124.08768	Humboldt
40.86953	-124.07841	Humboldt
40.85955	-124.07435	Humboldt
40.8649	-124.084444	Humboldt
40.8651	-124.067811	Humboldt
40.87367	-124.08385	Humboldt
40.88642	-124.08865	Humboldt
40.8575	-124.06209	Humboldt
40.86897	-124.08931	Humboldt
40.87198	-124.07569	Humboldt
40.86872	-124.08512	Humboldt
40.86504	-124.08464	Humboldt
40.85981	-124.0654	Humboldt
40.86504	-124.08464	Humboldt
40.86622	-124.08557	Humboldt
40.85955	-124.07435	Humboldt

[illegible]

SPILL LOC DESC

Wastewater exited clean out (4th clean out up the trail) near 544 24th Street

Wastewater exited clean out - 4th clean out up the trail, near 544 24th Street

Spill at ss clean-out in yard area

wastewater exited clean-out into grassy area

clean-out in sidewalk

clean-out in street

manhole along roadway

manhole on roadside

at cleanout in sidewalk

in gutter by clean-out

clean-out in sidewalk

clean out low point

cleanout in sidewalk

manhole in paved walkway

CLEAN OUT AT PROPERTYLINE

manhole at edge of freeway

Manhole in street

cleanout

clean-out in sidewalk

clean-out

manhole along highway 101 on City property

cleanout in sidewalk

wastewater flowed out of vent holes on manhole.

clean out in sidewalk

manhole in middle of street

on sidewalk at clean-out

sewer clean out

DI on hwy 101

cleanout

manhole along hwy 101

Cleanout at 5th & H Streets in front of 754 5th Street

Small sso in resident's yard

Sidewalk manhole adjacent to cow pasture

Clean-out in concrete sidewalk that runs adjacent to a cow pasture.

In homeowner's cleanout in grassy yard

Paved street

Sidewalk

manhole in parking lot behind Safeway in the Uniontown Shopping Center

SSO NUMBER APPEAR POINTS

APPEAR PT
Other (specify)
Other sewer system structure
Other sewer system structure
Other (specify)
Other (specify)
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Other (specify)
Manhole
Other (specify)
Other sewer system structure
Manhole
Other (specify)
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Manhole
Gravity sewer
Manhole
Gravity sewer
Manhole
Gravity sewer
Gravity sewer;Other (specify)
Manhole
Manhole
Other (specify)
Manhole
Other (specify)
Other (specify)
Manhole
Manhole
Other sewer system structure
Other (specify)
Other (specify)
Manhole
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Manhole
Manhole
Manhole

APPEAR PT EXPLAIN

ss clean-out

clean-out

clean-out

manhole and sso storage tanks

2 gallons exited ss co pickhole and ran across pavement to grassy roadside

clean-out in sidewalk

clean out in sidewalk

CLEAN OUT

cleanout

clean out

cleanout

Cleanout

cleanout

Clean-out in sidewalk in front of Lift Station.

clean-out

clean-out

cleanout

Clean-out at property line

Sidewalk in front of 630 9th Street

clean out in yard of church at 5th & E Street

clean-out in sidewalk

Overflowed surge tanks into cowfield

FINAL SPILL DEST

Storm drain
Unpaved surface
Unpaved surface
Surface water;Unpaved surface
Other (specify below)
Street/curb and gutter
Other paved surface
Unpaved surface
Surface water
Surface water
Street/curb and gutter
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Street/curb and gutter
Surface water
Other paved surface
Other paved surface;Street/curb and gutter
Street/curb and gutter
Unpaved surface
Surface water
Storm drain;Surface water
Storm drain;Street/curb and gutter;Surface water
Other paved surface
Unpaved surface;Other (specify below)
Street/curb and gutter
Storm drain
Other paved surface
Unpaved surface
Street/curb and gutter
Surface water
Street/curb and gutter
Other paved surface;Unpaved surface
Other paved surface
Unpaved surface;Other (specify below)
Storm drain;Surface water
Storm drain;Street/curb and gutter;Surface water
Other paved surface
Other paved surface;Separate storm drain;Surface water
Street/curb and gutter
Other (specify below)
Other (specify below)
Surface water
Unpaved surface
Other paved surface
Unpaved surface
Other (specify below)
Street/curb and gutter
Unpaved surface
Other (specify below)
Surface water
Street/curb and gutter
Surface water
Surface water
Surface water

FINAL SPILL DEST EXPL

Spill stopped 5 - 6 feet from clean out, in dirt

grassy area

gannon slough to humboldt bay

gannon slough to humboldt Bay

grassy field in cow pasture area down stream No direct flow to bay when noverflow occurred.

lawn area around cleanoutf

area around manhole fluids soaked into ground

grassy wetland area

ww flowed out a clean out into grassy drainage swale for 50' through a 60' long 24" pipe and back into a drainage swale.

Gutter; possibly D.I.

grassy dip in yard

Cow pasture / Humboldt Bay

Humboldt Bay

fully recovered

Stromwater pipe

START DT	AGENCY NOTIFY DT	OPRTOR ARRVL DT	EST END DT
5/9/2007 14:00	5/9/2007 14:05	5/9/2007 14:10	5/9/2007 14:40
6/5/2007 11:04	6/5/2007 11:31	6/5/2007 11:45	6/5/2007 11:50
6/5/2007 11:04	6/5/2007 11:31	6/5/2007 11:45	6/5/2007 11:50
10/19/2007 7:20	10/19/2007 7:20	10/19/2007 7:20	10/19/2007 10:55
10/16/2007 11:00	10/16/2007 11:00	10/16/2007 11:10	10/16/2007 14:20
11/5/2007 15:30	11/5/2007 15:35	11/5/2007 15:35	11/5/2007 15:40
11/26/2007 11:30	11/26/2007 11:30	11/26/2007 11:35	11/26/2007 11:50
12/31/2007 11:00	12/31/2007 11:00	12/31/2007 11:10	12/31/2007 11:15
1/4/2008 7:15	1/4/2008 7:15	1/4/2008 7:15	1/4/2008 8:13
1/31/2008 10:45	1/31/2008 10:45	1/31/2008 10:45	1/31/2008 12:50
3/28/2008 18:30	3/28/2008 18:30	3/28/2008 18:30	3/28/2008 19:00
3/15/2008 14:00	3/15/2008 14:00	3/15/2008 14:00	3/15/2008 16:00
4/30/2008 16:30	4/30/2008 16:30	4/30/2008 16:40	4/30/2008 0:40
7/5/2008 12:30	7/5/2008 12:30	7/5/2008 13:00	7/5/2008 13:10
8/4/2008 17:25	8/4/2008 17:28	8/4/2008 17:28	8/4/2008 18:04
8/22/2008 13:20	8/22/2008 13:20	8/22/2008 13:30	8/22/2008 14:00
8/26/2008 13:15	8/26/2008 13:15	8/26/2008 13:25	8/26/2008 13:30
11/16/2008 7:00	11/16/2008 7:00	11/16/2008 7:00	11/16/2008 8:00
12/2/2008 9:58	12/2/2008 9:58	12/2/2008 9:58	12/2/2008 10:20
1/5/2009 11:30	1/5/2009 11:25	1/5/2009 11:30	1/5/2009 11:30
2/26/2009 12:15	2/26/2009 12:15	2/26/2009 12:25	2/26/2009 13:20
2/23/2009 13:22	2/23/2009 13:22	2/23/2009 13:28	2/23/2009 14:25
3/18/2009 8:20	3/18/2009 8:20	3/18/2009 8:20	3/18/2009 8:35
3/24/2009 14:15	3/24/2009 14:15	3/24/2009 14:15	3/24/2009 14:25
5/18/2009 15:15	5/18/2009 15:15	5/18/2009 15:30	5/18/2009 15:35
5/26/2009 9:45	5/26/2009 9:45	5/26/2009 9:45	5/26/2009 10:45
5/27/2009 16:10	5/27/2009 16:10	5/27/2009 16:15	5/27/2009 16:20
7/15/2009 13:00	7/15/2009 13:00	7/15/2009 13:45	7/15/2009 14:45
7/30/2009 12:00	7/30/2009 12:00	7/30/2009 12:10	7/30/2009 12:20
1/1/2010 8:00	1/1/2010 8:00	1/1/2010 8:00	1/1/2010 9:15
1/3/2010 11:30	1/3/2010 11:30	1/3/2010 11:45	1/3/2010 11:45
12/28/2009 12:45	12/28/2009 12:45	12/28/2009 12:45	12/28/2009 12:50
2/9/2010 13:45	2/9/2010 13:45	2/9/2010 14:00	2/9/2010 15:00
7/31/2010 15:30	7/31/2010 15:30	7/31/2010 15:50	7/31/2010 17:00
10/27/2010 10:46	10/27/2010 10:46	10/27/2010 10:56	10/27/2010 11:18
10/15/2010 10:15	10/15/2010 10:15	10/15/2010 10:20	10/15/2010 10:31
11/7/2010 18:45	11/7/2010 18:45	11/7/2010 19:15	11/7/2010 20:20
11/3/2010 17:00	11/3/2010 17:00	11/3/2010 17:30	11/3/2010 18:30
12/30/2010 13:00	12/30/2010 13:30	12/30/2010 13:45	12/30/2010 13:00
1/9/2011 17:00	1/9/2011 17:00	1/9/2011 18:00	1/9/2011 18:20
3/25/2011 4:45	3/25/2011 5:00	3/25/2011 5:20	3/25/2011 6:15
3/25/2011 11:00	3/25/2011 12:10	3/25/2011 12:10	3/25/2011 13:45
3/28/2011 12:00	3/28/2011 13:30	3/28/2011 13:50	3/28/2011 14:15
10/29/2010 0:00	10/29/2010 0:00	10/29/2010 0:00	10/29/2010 0:00
6/16/2011 16:00	6/16/2011 17:59	6/16/2011 18:20	6/16/2011 16:01
9/2/2011 12:30	9/2/2011 12:35	9/2/2011 12:40	9/2/2011 12:55
11/8/2011 15:55	11/8/2011 15:55	11/8/2011 16:05	11/8/2011 16:05
12/6/2011 10:00	12/8/2011 9:19	12/8/2011 9:19	12/6/2011 10:15
12/9/2011 11:00	12/9/2011 11:48	12/9/2011 12:40	12/9/2011 14:18
1/19/2012 11:00	1/19/2012 12:31	1/19/2012 12:31	1/19/2012 13:30
1/10/2012 15:35	1/10/2012 15:35	1/10/2012 15:45	1/10/2012 16:05
1/20/2012 17:00	1/20/2012 17:00	1/20/2012 17:00	1/20/2012 18:00
1/20/2012 17:30	1/20/2012 17:30	1/20/2012 17:00	1/20/2012 18:00
1/20/2012 17:30	1/20/2012 17:30	1/20/2012 17:30	1/20/2012 21:15

SPILL CAUSE

Root intrusion
Pipe structural problem/failure
Pipe structural problem/failure
Flow exceeded capacity
Root intrusion
Debris
Root intrusion
Debris
Flow exceeded capacity
Flow exceeded capacity
Grease deposition (FOG)
Pump station failure
Debris
Root intrusion
Debris
Other (specify below)
Debris
Debris
Debris
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Debris-General
Root intrusion
Debris-General
Debris-General
Debris-General
Grease deposition (FOG)
Grease deposition (FOG)
Rainfall exceeded design
Grease deposition (FOG)
Debris-General
Debris-General
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Debris-General
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Rainfall exceeded design (Separate CS Only)
Other (specify below)
Other (specify below)
Debris-General
Debris-General
Root intrusion
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Other (specify below)
Other (specify below)
Other (specify below)

SPILL CAUSE EXPLAIN

2.36 of rainfall in 9hrs overloaded gravity line due to I/I.

excessive I/I
manhole overflowed due to I/I

partial blockage in lateral
excessive toilet paper

rags in line diverted all flow to smaller loop

sluggish flow partial blockage

Lateral plug at junction

Excessive rainfall/bypass pump malfunction
Failed pump valve

grease & roots
grease partially blocked main line
Broken lateral
Unknown blockage
Unknown partial blockage/restriction

By-pass pump failure
Excessive rainfall and failure of bypass pump
The City had mobilized a bypass pumping system after the SSO yesterday at 5th and E in an attempt to avoid an SSO to

WHERE FAILURE OCCUR

Lower Lateral
Main
Lower Lateral
Lower Lateral
Upper Lateral
Other (specify below)
Lower Lateral
Main
Main
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Main
Main

Main
Main
Lower Lateral
Main
Main
Main
Lower Lateral
Main
Lower Lateral
Lower Lateral
Lower Lateral
Main
Lower Lateral
Upper Lateral
Lower Lateral
Lower Lateral
Main
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral

WHERE FAIL OCCUR EXP

upstream diverter manhole plugged with debris and overflow occurred in seconary containment tanks at manhole opening

SSO Storm Associated	DIAMETER OF SEWER	MATERIAL SEWER_PIPE
----------------------	-------------------	---------------------

JS

6 SDR
 6 SDR
 10 ac
 6 ac
 4 pvc
 6 ac
 6 acp
 10 ac
 10 ac
 4 pvc
 6 ac
 4 abs
 4 pvc
 12 acp
 6 vcp
 4 pvc
 4 vcp
 10 ac
 4 PVC
 10 pvc
 8 ac
 4
 4 clay
 4 pvc
 4 pvc
 8 transite
 12 vc
 8 pvc
 10 pvc

4 pvc
 8 acp
 10 pvc
 6 acp
 4
 10 acp

4

4 pvc

4

AGE_SEWER_PIPE

15

15

30

40

6

50

35

30

30

10

10

20

30

50

40

50

40

5

34

40

45

12

10

40

30

5

30

6

40

30

50

50

40

40

RESPONSE ACTIVITIES

Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Restored flow
Other (specify below)
Cleaned-up (mitigated effects of spill); Contained all or portion of spill
Cleaned-up (mitigated effects of spill); Contained all or portion of spill
Cleaned-up (mitigated effects of spill); Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Contained all or portion of spill
Other (specify below)
Cleaned-up (mitigated effects of spill)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Restored flow
Cleaned-up (mitigated effects of spill); Inspected sewer using CCTV to determine cause; Restored flow; Other (specify below)
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow; Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Restored flow
Other (specify below)
Inspected sewer using CCTV to determine cause; Restored flow
Restored flow
Cleaned-up (mitigated effects of spill); Restored flow; Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill
Contained all or portion of spill
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Restored flow
Cleaned-up (mitigated effects of spill); Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow; Returned all or portion of spill to sanitary sewer system
Other (specify below)
Cleaned-up (mitigated effects of spill); Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Restored flow
Restored flow; Other (specify below)
Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow; Returned all or portion of spill to sanitary sewer system
Restored flow
Restored flow
Cleaned-up (mitigated effects of spill)
Other (specify below)
Other (specify below)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill); Restored flow
Restored flow
Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill); Restored flow; Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow
Contained all or portion of spill
Other (specify below)
Other (specify below)
Other (specify below)

RESPONSE ACTIVITIES EXPL

Line was dug up and replaced

Line was dug up and replaced

site area was cleaned up after cleanout stopped overflowing

City responded to sso with two septic pumping trucks and pumped 3x2500 gallons and 7x2300 gallons of ww from city's s

Restored pump in wet well

removed debris and video taped entire line segment the following day

flushed lines with hydro

HYDRO MAIN LINE

hydro'd line to clear sluggish line contained and cleaned everything

responded to event and captured some sewage flow in the overflow vaults adjacent to manhole. Contacted pumper truck cleared blockage, video taped lateral cleanup spill and sanitized

cleaned up solids from ground surface hydro cleaned the line to remove grease.

standard response

Emergency assistance was called to repair malfunction, otherwise Standard procedures response.

Bypass pumping, diking, vactoring

During the initial period when the bypass pump failed, the City mobilized a complete crew and vactored a downstream m:

By-pass pumping

RESPONSE COMPLETE DT

5/9/2007 14:40

10/19/2007 11:00

1/4/2008 8:13

1/31/2008 12:50

8/5/2008 17:00

12/2/2008 17:00

1/5/2009 12:01

2/26/2009 14:00

2/23/2009 14:25

5/26/2009 10:45

1/1/2010 10:00

7/31/2010 18:00

10/27/2010 11:30

10/15/2010 10:31

11/3/2010 18:30

12/30/2010 13:55

3/25/2011 6:15

3/25/2011 13:45

12/9/2011 14:18

1/19/2012 12:31

1/20/2012 18:00

1/20/2012 18:00

1/20/2012 21:15

RESPNS_CORCT_ACTN_TAKEN

Added sewer to preventive maintenance program

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Other (specify b

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Plan rehabilitation or replacement of sewer;Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Repaired sewer

Other (specify below)

Plan rehabilitation or replacement of sewer

Other (specify below)

Other (specify below)

SSO CRCTIVE ACTION TAKEN EXPL

area previously identified as I/I problem. Interim corrective action underway to install 2400 gallon overflow containment t

City will install asap additional overflow pipe from manhole riser to overflow containment tanks. City is discussing SOP fr

Discussing potential discharge issues with flake board plant

CITY IS WORKING WITH WASTE GENERATOR TO CLEANUP OPERATIONS AND GET IN A PRETREATMENT PRC
Notifications of suspected FOG source being contacted and directed to make improvements.

pumped sewage from overflow tanks

hydroed sewermain

hydroed line and camera

contacted upstream users and working on compliance FOG program with businesses
Standard cleanup

Standard response working on I/I reduction and purchasing larger pump tank

Cleaned up and system is back to normal & working

Standard procedures
Standard clean=up procedures

ONGOING INVESTIGATE	REASON INVESTIGATE
---------------------	--------------------

No	
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No	
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No	
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No	
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No	
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No	
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No	
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No	
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Yes	
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No	
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No	
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No	
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No	
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No	
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No	
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No	
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No	
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No	
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No	
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No	
----	--

No	
----	--

No	
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No	
----	--

VISUAL INSPCT RESULT

N/A

N/A

none observable

N/A

na

stormdrain 1200' long. spill did not make it to creek

n/a

n/a

none observed

HEALTH WARNING POST SSO IF IMPACT BEACH

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

BEACH IMPACT
NA

na

na
na

NA

na
NA
na
na

NA

NA

NA

SURFACE WATER IMPACT
NA

Gannon slough, Humboldt Bay

gannon slough to humboldt bay
gannon slough to humboldt bay

North fork Janes Creek

na
JANES CREEK
campbell creek slough humboldt bay
Jolly Giant Crk Humboldt bay

NA

grotzman crk tributary

NA
campbell creek
janes creek

storm drain pipe near campbell crk
unknown if it entered stormdrain
none
Humboldt Bay
Humboldt Bay
none

none
none
none
none
none
Butcher Slough into Humboldt Bay
none
Butcher Slough into Humboldt Bay
Butcher Slough into Humboldt Bay
Humboldt Bay

SAMPLE ANALYZE FOR
No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

Not applicable to this spill

No water quality samples taken

Not applicable to this spill
No water quality samples taken
No water quality samples taken

No water quality samples taken;Not applicable to this spill
No water quality samples taken

Not applicable to this spill
No water quality samples taken

Not applicable to this spill
No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken

SMPLS_ANALYZE_FOR_EXPL

na
NA

SAMPLE REPORTED TO

No water quality samples taken;Not applicable to this spill

None of the above

No water quality samples taken

None of the above

None of the above

None of the above

No water quality samples taken

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

SMPLS REPORT TO EXPL

na
NA

SSO VOLUME METHOD

OES CONTROL NUMBER	OES CONTROL DT
--------------------	----------------

80959	1/31/2008 15:02
-------	-----------------

90973	1/5/2009 13:30
91689	2/26/2009 14:05
91574	2/23/2009 15:05
92350	3/18/2009 15:59
92490	3/24/2009 15:09
93761	5/18/2009 17:05
31	5/26/2009 11:44
93966	5/27/2009 16:42
95028	7/15/2009 15:15
95351	7/30/2009 14:25
100003	1/1/2010 10:02
100027	1/3/2010 13:22

101047	2/9/2010 15:33
104580	7/31/2010 18:20
106457	10/27/2010 11:58
106224	10/15/2010 11:35
106720	11/8/2010 11:00
106613	11/3/2010 19:15
107981	12/30/2010 15:20
110157	1/9/2011 19:07
111909	3/25/2011 7:30
111938	3/25/2011 15:13
112003	3/28/2011 15:02
106519	10/29/2010 0:00
113621	6/16/2011 19:20
115235	9/2/2011 14:28
116661	11/8/2011 0:00
117264	12/8/2011 10:05
117304	12/9/2011 14:25
120360	1/19/2012 14:26
120173	1/10/2012 16:49
120396	1/20/2012 19:15
120398	1/20/2012 20:15
120400	1/20/2012 20:12

SSO OPERATOR NAME

SSO OPERATOR PHONE

1SSO10001	Active	776217 Erik C. Lust	Certified
1SSO10001	Active	778843 Erik C. Lust	Certified
1SSO10001	Active	779797 Erik C. Lust	Certified
1SSO10001	Active	779833 Erik C. Lust	Certified
1SSO10001	Active	779835 Erik C. Lust	Certified
1SSO10001	Active	782357 Erik C. Lust	Certified
1SSO10001	Active	788761 Erik C. Lust	Certified
1SSO10001	Active	788762 Erik C. Lust	Certified
1SSO10001	Active	791225 Erik C. Lust	Certified
1SSO10001	Active	791351 Erik C. Lust	Certified
1SSO10001	Active	798191 Erik C. Lust	Certified
1SSO10001	Active	798983 Erik C. Lust	Certified
1SSO10001	Active	799754 Erik C. Lust	Certified
1SSO10001	Active	800503 Erik C. Lust	Certified
1SSO10001	Active	800558	Submit Draft
1SSO10003	Active	766942 Rodney Huls	Certified
1SSO10003	Active	781776	Submit Draft
1SSO10003	Active	794640 Felix Hernandez III	Certified
1SSO10004	Active	757269 David Redding	Certified
1SSO10004	Active	777973 David Redding	Certified
1SSO10004	Active	783556 David Redding	Certified
1SSO10006	Active	737193 Patricia E Miller	Certified
1SSO10006	Active	757386 Patricia E. Miller	Certified
1SSO10006	Active	766644 Robert Lawrence	Certified
1SSO10012	Active	749189 Damien O'Bid	Certified
1SSO10012	Active	752808 Damien O'Bid	Certified
1SSO10012	Active	754467 Damien O'Bid	Certified
1SSO10012	Active	757451 Damien O'Bid	Certified
1SSO10012	Active	767018 Damien O'Bid	Certified
1SSO10012	Active	769608 Damien O'Bid	Certified
1SSO10012	Active	772002 Damien O'Bid	Certified
1SSO10012	Active	798408 Damien O'Bid	Certified
1SSO10014	Active	653471 Frank Mathes	Certified
1SSO10014	Active	655500 Frank Mathes	Certified
1SSO10014	Active	706731 Bruce Young	Certified
1SSO10014	Active	712129 Frank Mathes	Certified
1SSO10014	Active	712210 Frank Mathes	Certified
1SSO10014	Active	724563 Bruce Young	Certified
1SSO10014	Active	724901 Bruce Young	Certified
1SSO10014	Active	733844 Bruce Young	Certified
1SSO10014	Active	739670 Bruce Young	Certified
1SSO10014	Active	740045 Bruce Young	Certified
1SSO10014	Active	742487 Bruce Young	Certified
1SSO10014	Active	745534 Bruce Young	Certified
1SSO10014	Active	747355 Frank Mathes	Certified
1SSO10014	Active	753937 Bruce Young	Certified
1SSO10014	Active	757729 Bruce Young	Certified
1SSO10014	Active	758519 Bruce Young	Certified
1SSO10014	Active	759450 Bruce Young	Certified
1SSO10014	Active	765947 Frank Mathes	Certified
1SSO10014	Active	766237 Frank Mathes	Certified
1SSO10014	Active	768503 Bruce Young	Certified
1SSO10014	Active	777804 Bruce Young	Certified
1SSO10014	Active	779302 Bruce Young	Certified
1SSO10014	Active	779308 Bruce Young	Certified

Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water Wastewater Superintendent
Water Wastewater Superintendent
Water Wastewater Superintendent
Water Wastewater Superintendent
Water Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent

General Manager

General Manager

GM

General Manager

Manager

Chief Plant Operator

Chief Plant Operator

Chief Engineer I

City Engineer / Director of Public Works

Director of Public Works

Director of Public Works/City Engineer

Director of Public Works

City Engineer/Director of Public Works

Director of Public Works

Director of Public Works/City Engineer

Director of Public Works/City Engineer

Public Works Operations Manager

Public Works Operations Manager

Deputy Public Works Director

Public Works Operations Manager

Public Works Operations Manager

Deputy Public Works Director

Deputy Public Works Director

Deputy Public Works Director

Deputy Public Works Director

Deputy Public Works Director

Deputy Public Works Director

Deputy Public Works Director

Public Works Operations Manager

Public Works Director

Public Works Director

Public Works Director

Public Works Director

public Works operations manager

Public Works Operations Manager

Public Works Director

Public Works Director

Public Works Director

Public Works Director

City of Arcata		434929
City of Arcata		957936
City of Arcata		236980
City of Arcata		612498
City of Arcata		159443
City of Arcata		788209
City of Arcata		204056
City of Arcata		716005
City of Arcata		504844
City of Arcata		535689
City of Arcata		364302
City of Arcata		634668
City of Arcata		680241
City of Arcata		832088
Bodega Bay		137017
9:41PM		977055
	15:30	216329
	2:37 PM	439304
Office		290805
Pelican Bay State Prison		739961
Crescent City, CA		199540
Pelican Bay State Prison		368371
201 West Sierra Avenue, Cotati, CA		646273
Cotati City Hall		299092
Cotati		652086
Cotati City Hall		928844
Cotati		290008
City of Cotati		707980
City of Cotati		127835
Cotati		475212
City of Eureka		809490
City of Eureka		520310
2:07pm		650556
City of Eureka		439760
City of Eureka		377454
11:59a.m.		955194
	16:34	749788
1:28pm		872148
10:22am		520980
12:04pm		980241
	10:10	702813
	10:21	513425
City of Eureka		741326
	11:55	382376
	16:39	188536
	9:30	771500
	16:40	236522
City of eureka		784355
Eureka. Ca. 95501		236166
	15:35	428622
	14:40	650970
	9:47	453812
	8:54	714644

21-Jan-12	1/21/2012	23-Jan-12	1/23/2012
20-Mar-12	3/20/2012	23-Mar-12	3/23/2012
9-Apr-12	4/10/2012	19-Jun-12	6/19/2012
10-Apr-12	4/10/2012	20-Jun-12	6/20/2012
10-Apr-12	4/10/2012	20-Jun-12	6/20/2012
21-Jun-12	6/21/2012	5-Jul-12	7/5/2012
4-Dec-12	8/28/2013	28-Aug-13	8/28/2013
4-Dec-12	8/28/2013	28-Aug-13	8/28/2013
5-Feb-13	8/28/2013	28-Aug-13	8/28/2013
6-Feb-13	8/28/2013	28-Aug-13	8/28/2013
26-Aug-13	8/28/2013	13-Sep-13	9/13/2013
23-Sep-13	9/23/2013	27-Nov-13	11/27/2013
14-Oct-13	10/14/2013	27-Nov-13	11/27/2013
4-Nov-13	11/4/2013	27-Nov-13	11/27/2013
6-Nov-13	11/6/2013		
26-May-11	5/26/2011	26-May-11	5/26/2011
1-Jun-12	6/1/2012		
31-May-13	5/31/2013	31-May-13	5/31/2013
30-Sep-10	9/30/2010	5-Oct-10	10/5/2010
24-Feb-12	2/24/2012	24-Feb-12	2/24/2012
16-Jul-12	7/16/2012	16-Jul-12	7/16/2012
6-May-09		7-May-09	5/7/2009
5-Oct-10	10/5/2010	5-Oct-10	10/5/2010
18-May-11	5/18/2011	19-May-11	5/19/2011
8-Feb-10		10-Feb-10	2/10/2010
1-Jun-10	6/8/2010	8-Jun-10	6/8/2010
7-Jul-10	7/7/2010	7-Jul-10	7/7/2010
7-Oct-10	10/20/2010	20-Oct-10	10/20/2010
1-Jun-11	6/1/2011	1-Jun-11	6/1/2011
8-Aug-11	8/8/2011	8-Aug-11	8/8/2011
13-Oct-11	10/13/2011	18-Oct-11	10/18/2011
3-Sep-13	9/4/2013	4-Sep-13	9/4/2013
3-Jul-07		3-Jul-07	1/5/2011
8-Aug-07		9-Aug-07	1/5/2011
29-Oct-07		29-Oct-07	10/29/2007
31-Jan-08		1-Feb-08	1/5/2011
1-Feb-08		1-Feb-08	1/5/2011
12-Aug-08		12-Aug-08	8/12/2008
19-Aug-08		19-Aug-08	8/19/2008
18-Feb-09		18-Feb-09	2/18/2009
20-Jun-09		26-Jun-09	6/26/2009
26-Jun-09		26-Jun-09	6/26/2009
5-Aug-09		6-Aug-09	8/6/2009
9-Oct-09		12-Oct-09	10/12/2009
7-Dec-09		10-Dec-09	12/10/2009
25-Jun-10	6/25/2010	25-Jun-10	6/25/2010
14-Oct-10	10/14/2010	14-Oct-10	10/14/2010
14-Nov-10	11/14/2010	15-Nov-10	11/15/2010
16-Dec-10	12/16/2010	16-Dec-10	12/16/2010
29-Apr-11	4/29/2011	29-Apr-11	4/29/2011
6-May-11	5/6/2011	6-May-11	11/21/2011
14-Jul-11	7/14/2011	15-Jul-11	7/15/2011
21-Feb-12	2/21/2012	21-Feb-12	2/21/2012
30-Mar-12	4/2/2012	4-Apr-12	4/4/2012
31-Mar-12	3/31/2012	4-Apr-12	4/4/2012

Category 1		500	0
Category 1		100	0
Category 1		60	0
Category 1		7200	0
Category 3		20	0
Category 3		8	8
Category 1		10	0
Category 1		50	0
Category 3		30	0
Category 3		45	0
Category 1	0	1200	60
Category 1	0	880	160
Category 1	0	1400	0
Category 3	45	45	0
Category 1	0	125	0
Category 2		2000	0
Category 2		6000	0
Category 3		50	0
Category 3		750	750
Category 3		700	
Category 1		1500	500
Category 3		20	0
Category 3		450	0
Category 3		100	100
Category 3		10	0
Category 3		50	0
Category 3		750	0
Category 3		300	0
Category 3		200	0
Category 3		5	0
Category 3		125	0
Category 3		25	0
Category 3		800	0
Category 1		600	0
Category 1		180	0
Category 1		300	0
Category 1		9000	0
Category 1		300	150
Category 3		200	200
Category 3		100	0
Category 3		15	15
Category 3		720	720
Category 1		900	0
Category 1		180	0
Category 3		100	0
Category 1		1700	0
Category 1		20	20
Category 1		400	0
Category 1		250	0
Category 1		200	50
Category 1		520	200
Category 3		300	300
Category 1		2000	400
Category 1		90000	0
Category 1		4800	0

500 Yes	Yes
100 Yes	Yes
60 Yes	Yes
7200 Yes	Yes
0 No	No
0 No	No
10 Yes	No
50 Yes	No
0 No	No
0 No	No
1140 Yes	No
800 Yes	Yes
1400 Yes	Yes
0 No	No
125 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
No	No
1000 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
600 Yes	Yes
180 Yes	No
300 Yes	Yes
9000 Yes	Yes
150 Yes	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
900 Yes	Yes
180 Yes	Yes
0 No	No
1700 Yes	No
20 Yes	Yes
400 Yes	Yes
250 Yes	Yes
150 Yes	Yes
320 Yes	No
0 No	No
1600 Yes	Yes
90000 Yes	Yes
4800 Yes	No

No
No
No
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Yes
Yes
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No
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Yes
No
No
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
Not Applicable - Spill did not reach a separate storm drainpipe

Buttermilk Lane & Crescent Way
Pickwick Storm Tanks
Pickwick Vaults
Abandoned Hauser Marsh Drain
1069 Q Street
9th Street between J & K Streets
1821 Hager street
Meadowbrook Apartments manhole
1533 I Street
7th Street
2109 Lewis Av
875 J Street
1110 Spring Street Arcata, CA
1590 Hilfiker Street
2208 Jay Street
368 Hwy 1
630 Hwy 1
1815 Whaleship Road
200' north of sewer plant, 5681 North State St. Ukiah Ca 95482
500' North of Sewer Plant, 5681 North State St. Ukiah CA, 95482
East side of Moore st. Bridge
Wastewater Plant - Aerator Orbals
WWTP
PBSP - Administration Building
Myrtle Avenue and Wren Drive
West Cotati and El Rancho
St. Joseph Way
Old Redwood Highway
Behind fence at 201 Maple Avenue
Nina Court
Aaron and Portal Streets
Water Rd.
O Street Lift Station
Harrison & Wood Streets
Pound Road Lift Station
Buhne & Rst.
O St Lift Station
3406 Lowell St.
Eureka Muni. Golf Course
Mauer Marsh
Manhole On Vista Dr. Eureka Ca. 95501
Manhole On Huntoon St
Waterfront Drive Lift Station
Ost & Hemlock
1091 Vista Dr
West End of Madrone St.
Manhole @ 2nd. & L st.
Waterfront Dr.
Harrison & Wood st.
West Simpson St.
1700 Blk. of Madrone St.
Truesdale
from sump pump from 321 I st.
O Street Lift Station
2nd. & K St.

40.85742	-124.0718 Humboldt
40.85955	-124.07435 Humboldt
40.85955	-124.07435 Humboldt
40.8564	-124.0973 Humboldt
40.87219	-124.09586 Humboldt
40.8695	-124.08889 Humboldt
40.875	-124.098 Humboldt
40.85657	-124.07298 Humboldt
40.87434	-124.086073 Humboldt
40.868	-124.091 Humboldt
40.873	-124.104 Humboldt
40.869	-124.089 Humboldt
40.869	-124.077 Humboldt
40.886333	-124.088567 Humboldt
40.8801	-124.08445 Humboldt
38.32153	-123.03556 Sonoma
38.32321	-123.03668 Sonoma
38.33615	-123.06055 Sonoma
39.22633	-123.20274 Mendocino
39.22549	-123.20235 Mendocino
39.23296	-123.20003 Mendocino
41.85751	-124.15263 Del Norte
41.85807	-124.15319 Del Norte
41.85385	-124.15416 Del Norte
38.2159	-122.69841 Sonoma
38.326517	-122.710208 Sonoma
38.32964	-122.71218 Sonoma
38.32818	-122.70785 Sonoma
38.32878	-122.71405 Sonoma
38.3227	-122.70675 Sonoma
38.342228	-122.716481 Sonoma
38.32027	-122.71279 Sonoma
40.77222	-124.15564 Humboldt
40.78125	-124.13966 Humboldt
40.759136	124.192675 Humboldt
40.78366	-124.15255 Humboldt
40.77222	-124.15564 Humboldt
40.776944	124.176389 Humboldt
40.757778	124.188611 Humboldt
40.785556	124.187222 Humboldt
40.770556	-124.157222 Humboldt
40.786944	-124.161944 Humboldt
40.482224	-124.093145 Humboldt
40.7732	-124.15281 Humboldt
40.766667	-124.154722 Humboldt
40.776111	-124.134722 Humboldt
40.804722	-124.159722 Humboldt
40.804722	-124.15972 Humboldt
40.78125	-124.13966 Humboldt
40.79575	-124.16964 Humboldt
40.776111	-124.13472 Humboldt
40.77616	-124.19351 Humboldt
40.8039	-124.16302 Humboldt
40.77258	-124.15537 Humboldt
40.8048	-124.16095 Humboldt

[illegible]

Sidewalk and cow pasture
Sidewalk/Cow Fields
Fully treated WW pond to habitat/recreation pond
Residential dirt driveway
Asphalt street
Flat ground/AC
Dirt
street is almost level; slight north slope
flat ground/street
Manhole & Clean-out in street w/ minor flow coming out of cleanout.
Flat ground - cleanout in sidewalk
C.O. in sidewalk on 11th Street flowed west in curb & gutter.
Gutter & small amount of grass
clean out in sidewalk, curb & gutter

reclaimed water/secondary effluent

North of sewer plant, by rail road tracks, dirt trail,
East of access roadway

Aerator orbital bearing vaults
Between two secondary clarifiers at Wastewater Treatment Plant.
East of Administration Building

Small seepage from manhole

O Street Lift Station @ the South end of J st.
Intersection of Harrison Ave. & Wood Street
Pound Road Lift Station
Manhole @ Buhne St. & R St.

From S.S. Manhole in the front lawn area of 3406 Lowell St.
Access road to Golf Course Lift Station

Spill occurred at street edge by lift station
Manhole on O St.
Spill out of manhole
In open field West from the West end of Madrone St.

Manhole on Waterfront Drive
Manhole @ the intersection of Harrison & Wood st. Eureka
Manhole on W. Simpson

Manhole

1
1
1
1
1
1

Manhole
Manhole
Manhole
Other (specify)
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer
Other sewer system structure
Manhole
Other sewer system structure
Lateral Clean Out (Public)
Lateral Clean Out (Private)
Lateral Clean Out (Public)
Gravity sewer
Other (specify)
Manhole
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Other (specify)
Other (specify)
Gravity sewer
Manhole
Other (specify)
Gravity sewer
Building or structure;Other (specify)
Manhole
Manhole
Manhole
Manhole
Pump station
Manhole
Force main or pressure sewer
Manhole
Pump station
Manhole
Manhole
Force main or pressure sewer
Manhole
Manhole
Force main or pressure sewer
Manhole
Gravity sewer
Force main or pressure sewer
Gravity sewer
Manhole
Manhole
Gravity sewer
Force main or pressure sewer
Gravity sewer
Building or structure
Manhole
Manhole

Manhole in the middle of the road

An incorrectly abandoned drain pipe began leaking slightly , allowing fully treated WW to flow into Humb. Bay at a point c

Unknow spill reported based on appearance of toilet paper around MH; no spill actually seen.

clean-out

Paper debris on sidewalk/overflow from cleanout at back of sidewalk

manhole & cleanout

Cleanout in sidewalk

Reclaimed secondary effluent. Dissipated into drainage drainage. Did not reach any body of water.

Cutout in outer wall of aerator orbal

Appearing from 1/2 cleanout valve on line running from clarifier scum pump to waste activated sludge line.

Appeared where pipe was cut for repair

Private lateral cleanout

Toilet area in building and lawn area behind house

Manhole on O St.

Manhole

Manhole

Manhole

sewer infiltrated basement @ 321 I street Eureka Ca. 95501 from floor drain

Manhole from H.C.S.D. to our O Street Lift Station

Surface water
Unpaved surface
Unpaved surface
Surface water
Unpaved surface
Street/curb and gutter
Surface water
Surface water
Street/curb and gutter
Street/curb and gutter
Separate storm drain
Other (specify below)
Other (specify below)
Street/Curb and Gutter
Separate Storm Drain
Unpaved surface
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Separate storm drain;Street/curb and gutter;Surface water
Unpaved surface
Other paved surface;Unpaved surface
Unpaved surface
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface;Other (specify below)
Unpaved surface
Other paved surface
Separate storm drain
Street/curb and gutter
Other paved surface
Separate storm drain
Surface water
Separate storm drain
Other paved surface
Other (specify below)
Unpaved surface
Unpaved surface
Storm drain
Street/curb and gutter
Surface water
Other (specify below)
Unpaved surface
Unpaved surface
Other (specify below)
Surface water
Separate storm drain
Street/curb and gutter
Surface water
Unpaved surface
Surface water
Surface water
Surface water

Janes Creek
Gannon Slough

N/A
to Jolly Giant Creek & then into Humboldt Bay
The SSO occurred up a hill & the overflow volume traveled west, then north in the curb/gutter & eventually went into Cam

Landscaped border

Cleanup crew vacuumed up the spill and deposited in sanitary sewer system.

small seepage from manhole

Spill was washed down in the back yard of 3406 Lowell St. and cleaned up with shovels and buckets.

Spill was recovered from the bottom of drop inlet catch basin

Spill entered storm drain on Waterfront Drive which drains to Humboldt Bay
Martian Slough
Spill went to a grassy area around manhole

Recovered with vactor truck, and returned to SS
Humboldt Bay
entered D.I. on the northwest corner of Harrison & Wood St. that flows to the East to an unnamed water way

Martin Slough
Gravel Parking lot, Berms were built to contain spill to the lot
Humboldt Bay @ the foot of J street Eureka Ca. 95501

1/20/2012 18:00	1/20/2012 18:30	1/20/2012 19:00	1/20/2012 19:00
3/16/2012 7:16	3/16/2012 7:20	3/16/2012 7:20	3/16/2012 7:20
3/30/2012 1:30	3/30/2012 1:30	3/30/2012 1:30	3/30/2012 2:00
4/1/2012 0:15	4/3/2012 9:30	4/3/2012 10:15	4/3/2012 12:15
4/4/2012 13:00	4/4/2012 15:00	4/4/2012 15:10	4/4/2012 15:20
6/17/2012 15:38	6/17/2012 15:38	6/17/2012 15:58	6/17/2012 15:58
12/2/2012 10:00	12/2/2012 10:30	12/2/2012 10:45	12/2/2012 10:15
12/2/2012 6:00	12/2/2012 13:00	12/2/2012 13:00	12/2/2012 7:00
1/30/2013 7:00	2/4/2013 8:30	2/4/2013 8:54	2/2/2013 14:00
2/2/2013 9:00	2/6/2013 13:05	2/6/2013 13:20	2/6/2013 13:30
8/22/2013 10:00	8/23/2013 10:15	8/23/2013 10:35	8/23/2013 12:10
9/23/2013 0:00	9/23/2013 7:39	9/23/2013 8:02	9/23/2013 9:00
10/13/2013 18:45	10/13/2013 22:04	10/13/2013 22:20	10/13/2013 23:30
10/29/2013 13:00	10/31/2013 8:45	10/31/2013 9:00	10/31/2013 9:20
11/3/2013 13:00	11/6/2013 9:35	11/6/2013 9:48	11/6/2013 9:58
5/26/2011 0:00	5/26/2011 15:00	5/26/2011 13:20	5/26/2011 14:00
5/10/2012 15:45	5/10/2012 15:45	5/10/2012 15:45	5/10/2012 15:45
5/30/2013 20:00	5/31/2013 9:00	5/31/2013 9:30	5/31/2013 9:30
9/13/2010 0:00	9/13/2010 15:30	9/13/2010 15:30	9/13/2010 16:10
02/23/0012 02:30	2/23/2012 2:30	2/23/2012 2:30	2/23/2012 3:30
7/11/2012 0:00	7/12/2012 20:45	7/12/2012 21:00	7/13/2012 7:00
4/20/2009 14:00	4/20/2009 15:00	4/20/2009 15:00	4/20/2009 16:00
10/3/2010 7:30	10/3/2010 9:00	10/3/2010 9:00	10/3/2010 9:00
5/11/2011 15:00	5/11/2011 15:00	5/11/2011 15:00	5/11/2011 15:15
12/1/2009 14:00	12/1/2009 14:00	12/1/2009 14:10	12/1/2009 14:20
5/12/2010 16:00	5/12/2010 16:20	5/12/2010 16:40	5/12/2010 17:00
6/17/2010 9:45	6/17/2010 10:00	6/17/2010 10:10	6/17/2010 12:00
9/6/2010 20:00	9/6/2010 20:10	9/6/2010 20:30	9/6/2010 20:50
5/29/2011 9:40	5/29/2011 9:55	5/29/2011 10:20	5/29/2011 10:35
7/4/2011 12:30	7/4/2011 12:50	7/4/2011 13:20	7/4/2011 13:13
10/13/2011 10:15	10/13/2011 10:15	10/13/2011 10:30	10/13/2011 10:40
8/1/2013 8:20	8/1/2013 8:20	8/1/2013 8:25	8/1/2013 8:40
7/2/2007 12:45	7/2/2007 12:45	7/2/2007 12:44	7/2/2007 12:05
8/8/2007 7:25	8/8/2007 7:25	8/8/2007 7:55	8/8/2007 8:25
10/27/2007 8:30	10/27/2007 9:00	10/27/2007 8:30	10/27/2007 9:00
1/31/2008 19:30	1/31/2008 20:30	1/31/2008 19:30	1/31/2008 20:30
1/31/2008 12:30	1/31/2008 12:30	1/31/2008 12:30	1/31/2008 15:00
8/11/2008 18:00	8/11/2008 18:00	8/11/2008 18:15	8/11/2008 19:00
8/19/2008 14:30	8/19/2008 14:30	8/19/2008 14:30	8/19/2008 15:00
2/18/2009 9:45	2/18/2009 9:45	2/18/2009 9:45	2/18/2009 10:30
6/20/2009 11:48	6/20/2009 11:48	6/20/2009 11:48	6/20/2009 12:00
6/25/2009 14:00	6/25/2009 14:00	6/26/2009 8:00	6/26/2009 9:10
8/5/2009 7:30	8/5/2009 7:30	8/5/2009 7:45	8/5/2009 8:30
10/9/2009 15:30	10/9/2009 15:30	10/9/2009 15:35	10/9/2009 17:00
12/6/2009 16:30	12/6/2009 16:30	12/6/2009 17:00	12/6/2009 18:00
6/24/2010 15:45	6/24/2010 15:45	6/24/2010 15:45	6/24/2010 20:25
10/14/2010 8:05	10/14/2010 8:05	10/14/2010 8:20	10/14/2010 8:25
11/14/2010 9:00	11/14/2010 9:00	11/14/2010 9:10	11/14/2010 9:25
12/16/2010 8:20	12/16/2010 8:20	12/16/2010 8:25	12/16/2010 9:10
4/28/2011 16:05	4/28/2011 16:05	4/28/2011 16:10	4/28/2011 16:35
5/6/2011 13:30	5/6/2011 13:30	5/6/2011 14:00	5/6/2011 14:35
7/14/2011 13:10	7/14/2011 13:20	7/14/2011 13:00	7/14/2011 13:10
2/21/2012 8:00	2/21/2012 8:10	2/21/2012 9:00	2/21/2012 9:40
3/29/2012 0:00	3/29/2012 18:00	3/29/2012 18:30	3/30/2012 14:00
3/30/2012 8:00	3/30/2012 8:00	3/30/2012 8:05	3/30/2012 12:00

Other (specify below)
Rainfall exceeded design (Separate CS Only)
Rainfall exceeded design (Separate CS Only)
Other (specify below)
Other (specify below)
Debris-General
Surcharged pipe (Combined CS Only)
Surcharged pipe (Combined CS Only)
Debris-General
Debris-General
Debris-General
Grease Deposition (FOG)
Debris-General
Debris-Rags
Debris-General
Grease deposition (FOG)
Other (specify below)
Debris-Rags
Grease deposition (FOG)
Grease deposition (FOG)
Pipe structural problem/failure
Flow exceeded capacity
Other (specify below)
Pipe structural problem/failure
Debris-General
Debris-General
Other (specify below)
Debris-Rags
Debris-General
Debris-General
Grease deposition (FOG)
Debris-General
Pump station failure
Debris-General
Pipe structural problem/failure
Pipe structural problem/failure
Flow exceeded capacity (Separate CS Only)
Debris
Pump station failure
Pipe structural problem/failure
Root intrusion
Debris-General
Pipe structural problem/failure
Root intrusion
Root intrusion
Pipe structural problem/failure
Debris-General
Pump station failure
Debris-General
Root intrusion
Pipe structural problem/failure
Debris-General
Debris-General
Rainfall exceeded design (Separate CS Only)
Rainfall exceeded design (Separate CS Only)

Excessive rainfall and a failed by-pass pump.

old plug in pipe broke
Unknown

Next manhole down the line was underwater & flooded

Clogged sewer main

Irrigation run-off

Valve was inadvertently kicked open, caught by dragged hose during wash down, or bumped by animal during the night.
Pipe was cut for repair of break in top causing gravel infiltration. Spill was limited to what could not be pumped out before

Contractor excavated through pipe

Main
Main
Main
Other (specify below)
Lower Lateral
Lower Lateral
Main
Lower Lateral
Main
Upper Lateral
Main
Force Main
Gravity Mainline
Upper Lateral (Public)
Lower Lateral (Public)
Main
Other (specify below)
Main
Main
Main
Main

Other (specify below)
Main

Main
Main
Main
Main
Main
Other (specify below)
Main

Other (specify below)
Other (specify below)

Main
Other (specify below)
Main
Main
Main
Main
Other (specify below)
Main
Main
Main
Main
Main
Other (specify below)
Main

abandoned pipe

Irrigation valve failure

1/2 cleanout valve on line from scum pump to WAS line was bumped open. When waste cycle started, pressure from W

Pump Station Fail

Manhole
Pump Station Failed

Failure in force main

Manhole outside of our Waterfront Lift station

Manhole out side Lift station, that belongs to H.C.S.D.

	8 AC
	4 SDR
	6 clay
	4 pvc
	6 clay
No	6 clay
Yes	10 AC pipe
No	6 clay
No	4
No	4 AC
	10 AC

8 A.C.
8 AC
6 AC

'AS line filled line causing flc

8 PVC

6 V.C.

6 PVC

6 vc
10 DI

8
6 VC

20
50
50
360

50
36

1982
1986

22

20
45
35

80

Other (specify below)
Other (specify below)
Cleaned-up (mitigated effects of spill);Restored flow
Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause
Cleaned-up (mitigated effects of spill);Restored flow
Contained all or portion of spill;Restored flow;Cleaned-up (mitigated effects of spill)
Contained all or portion of spill;Restored flow;Returned Portion of Spill to Sanitary Sewer System
Cleaned-Up;Mitigated Effects of Spill;Restored flow;Property Owner Notified

Cleaned-Up;Restored flow
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Restored flow
Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Contained all or portion of spill
Restored flow
Other (specify below)
Cleaned-up (mitigated effects of spill)
Returned all or portion of spill to sanitary sewer system
Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill)
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill)
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill)
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Returned all or portion of spill to sanitary sewer system
Restored flow
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill)
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill)

Standard unrecoverable
3 pumper trucks round tripping to stay ahead of spill

repaired plug

The reclaimed water flowed to drainage system and dissipated.

The cleanout has been plugged and the valve handle placed in a way that it cannot be opened inadvertently.

Closed Discharged Pipe Gate valve

Recoverd spilled sewage with City of Eureka Vacuum Truck, and returned to collcetion system.
ARV has been isolated and repaired
Cleaned Street Area, recovered all of spill from Drop inlet catch basin with Vacon truck

Cleared blockage of Roots W/ Hydro Cleaner, and washed down street.
cleared main of blockage, cleaned up affected

Main Cleared with Hydo- cleaner. area washed down with clean water
Cleard Plug with Hydro Cleaner with Root cutter Head
replaced repair clamp that failed

1/20/2012 10:07
3/16/2012 7:20
3/30/2012 2:00
4/3/2012 12:15

12/2/2012 12:30
12/2/2012 13:15

8/23/2013 14:30
9/23/2013 9:00
10/14/2013 1:00

11/6/2013 11:30
5/26/2011 16:30
5/10/2012 15:45

7/13/2012 11:00

8/8/2007 8:25
10/27/2007 9:00
1/31/2008 20:30
1/31/2008 15:00
8/11/2008 19:00

8/6/2009 10:00
10/9/2009 16:00

6/24/2010 20:25
10/14/2010 8:25
11/14/2010 9:45
12/16/2010 9:30
4/28/2011 16:35
5/6/2011 13:30

2/21/2012 2:21
3/30/2012 14:00
3/30/2012 12:00

Other (specify below)
Other (specify below)
Adjusted schedule/method of preventive maintenance
Repaired sewer

Other (specify below)
Other (specify below)

Other (specify below)
Inspected Sewer Using CCTV to Determine Cause
Inspected Sewer Using CCTV to Determine Cause;Plan rehabilitation or replacement of sewer;Repaired Facilities or Rep

Inspected Sewer Using CCTV to Determine Cause
Adjusted schedule/method of preventive maintenance
Other (specify below)

Repaired sewer

Added sewer to preventive maintenance program
Repaired sewer
Repaired sewer
Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance

Repaired sewer
Added sewer to preventive maintenance program

Repaired sewer
Adjusted schedule/method of preventive maintenance
Other (specify below)
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Repaired sewer
Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance

Standard unrecoverable response & clean-up procedures were taken and the system is back to normal
Truck Pumping to manage volume of flow; standard response and clean-up measures were taken.

I&I reduction
I&I reduction

Clean sewer/camera'd to discover problems throughout subdivision.

Modified valves to insure effluent will not discharge again.

Hydro Cleaned line in all directions

Cleared Blockage W/ Hydro Cleaner

Pump lost flow for unknown reasons, reset pump, and reestablished flows

No
No
No
No

No
No

No
No
No

No
No
No

Yes

Yes
No
Yes
Yes
Yes

Yes
No

No
No
Yes
Yes
Yes
Yes

Yes
Yes
Yes

n/a

None

N/A

N/A

No
No
No
No

No
No

No	No
No	No
No	No

No	No
Yes	
No	

No

No
No
No
No
No

No
No

No
No
No
No
No
Yes

No
No
No

n/a

NA
NA
NA

n/a

NA
N/a
NA
NA
NA

N?A
N/A

NA

Grotzman Creek into Humboldt Bay
Possibly Humboldt Bay; it is unknown if any of the spilled wastewater washed into the bay.
Gannon Slough into Humboldt Bay
Klopp Lake & Humboldt Bay
none
n/a
Janes Creek
Gannon Slough
N/A
N/A
McDaniel Slough

Campbell Creek into Gannon Slough

None
None
Not Applicable

Russion River

None.

Not applicable
Not applicable
N/A
None
None

Eureka Slough
N/A
Humboldt Bay
Elk River, Humboldt Bay
Martin Slough

Humboldt Bay
Martian Slough

Martin Slough
100% recoverd
Humboldt Bay
un-named drainage ditch, that flows to the East of Harrison Ave.
Humboldt Bay
Martin Slough
none
Humboldt Bay
Martian Slough to Elk River to Humboldt Bay
Humboldt Bay

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

Not applicable to this spill
Not applicable to this spill

No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken
Not applicable to this spill
No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken
No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken

TC/FC 15

None of the above
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken
None of the above

No water quality samples taken
Not applicable to this spill
Not applicable to this spill

No water quality samples taken
None of the above
None of the above

County Health Agency;Regional Water Quality Control Board

None of the above
None of the above
None of the above
None of the above
None of the above

None of the above
None of the above

None of the above
None of the above
None of the above
None of the above
None of the above
None of the above

None of the above
None of the above
None of the above

\${ssoDetails.resultsReportedExplanation}

Visual

VISUAL

Visual estimation

visual

Used average household use volume estimation due to lag in reporting by Colin.

120401	1/20/2012 22:05
121539	3/16/2012 9:11
121876	3/30/2012 3:24
121960	4/3/2012 12:30
122000	4/4/2012 16:27
123536	6/17/2012 17:54
127309	12/2/2012 12:15
127322	12/2/2012 14:04
130743	2/4/2013 11:48
130787	2/6/2013 14:44
135243	8/23/2013 12:54
135977	9/23/2013 9:36
136387	10/14/2013 0:30

136872	11/6/2013 11:42
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105514	9/13/2010 17:20
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124056	7/12/2012 21:45
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116113

80986	2/1/2008 11:35
85828	8/11/2008 19:05

91404	1/18/2009 11:40
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95471	8/5/2009 9:35
96820	10/9/2009 17:45
98144	12/6/2009 19:00
103854	6/24/2010 16:30

106842	11/14/2010 11:00
107545	12/16/2010 11:30
112662	4/28/2011 16:50
112823	5/6/2011 16:12

121003	2/21/2012 11:00
121882	3/30/2012 14:00
121902	3/31/2012 12:00

Erik Lust	7078452156
Erik Lust - W/WW Sup	7078252156
Erik C. Lust, Water/Wastewater Superintendent	7078252156
Erik C. Lust Water/Wastewater Superintendent	7078252156
Erik C Lust Water/Wastewater Superintendent	7078252156

1SSO10014	Active	779309 Bruce Young	Certified
1SSO10014	Active	779311 Bruce Young	Certified
1SSO10014	Active	788649 Frank Mathes	Certified
1SSO10014	Active	800165 Frank Mathes	Certified
1SSO10016	Active	711325 Michael Bracewell	Certified
1SSO10016	Active	725567 Michael Bracewell	Certified
1SSO10016	Active	749369 Michael Bracewell	Certified
1SSO10016	Active	757400 Michael Bracewell	Certified
1SSO10016	Active	758742 Michael Bracewell	Certified
1SSO10016	Active	778047 Michael Bracewell	Certified
1SSO10016	Active	778378 Michael Bracewell	Certified
1SSO10017	Active	649686 Richard Emig	Certified
1SSO10017	Active	715440 Richard Emig	Certified
1SSO10017	Active	717919 Richard Emig	Certified
1SSO10017	Active	730478 David Brennan	Certified
1SSO10017	Active	732110 Richard Emig	Certified
1SSO10017	Active	737092 Richard Emig	Certified
1SSO10017	Active	737687 Richard Emig	Certified
1SSO10017	Active	737987 Rich Emig	Certified
1SSO10017	Active	737992 Rich Emig	Certified
1SSO10017	Active	738086 Rich Emig	Certified
1SSO10017	Active	748069 Richard Emig	Certified
1SSO10017	Active	748311 Richard Emig	Certified
1SSO10017	Active	748488 Richard Emig	Certified
1SSO10017	Active	781833 Richard Emig	Certified
1SSO10017	Active	789686 Richard Emig	Certified
1SSO10017	Active	799234 Richard Emig	Certified
1SSO10018	Active	719214 JC England	Certified
1SSO10018	Active	719648 JC England	Certified
1SSO10018	Active	720187 JC England	Certified
1SSO10018	Active	730168 JC England	Certified
1SSO10018	Active	731317 JC England	Certified
1SSO10018	Active	733302 JC England	Certified
1SSO10018	Active	744984 JC England	Certified
1SSO10018	Active	744987 JC England	Certified
1SSO10018	Active	745428 JC England	Certified
1SSO10018	Active	747400 JC England	Certified
1SSO10018	Active	758861 JC England	Certified
1SSO10018	Active	763096 Jc England	Certified
1SSO10018	Active	766668 JC England	Certified
1SSO10018	Active	784504 J C England	Certified
1SSO10020	Active	733480 Tim Flanagan	Certified
1SSO10020	Active	761714 Tim Flanagan	Certified
1SSO10020	Active	766300 Tim Flanagan	Certified
1SSO10021	Active	707712 Tim Dennis	Certified
1SSO10021	Active	708273 Tim Dennis	Certified
1SSO10021	Active	708318 Tim Dennis	Certified
1SSO10021	Active	711686 Tim Dennis	Certified
1SSO10021	Active	711688 Tim Dennis	Certified
1SSO10021	Active	711695 Tim Dennis	Certified
1SSO10021	Active	711699 Tim Dennis	Certified
1SSO10021	Active	716801 TIM DENNIS	Certified
1SSO10021	Active	718410 Tim Dennis	Certified
1SSO10022	Active	729248	Ready To Certify
1SSO10022	Active	740836	Ready To Certify

Public Works Director
Public Works Director
Public Works Operations Manager
Public Works Operations Manager
Interim Public Works Manager
Services Supervisor - Utilities
Utilities Services Supervisor
Utilities Services Supervisor
Utilities Services Supervisor
Utilities Services Supervisor
Utilities Services Supervisor
Public Works Superintendent
Public Works Superintendent
Public Works Superintendent
City Manager
Public Works Superintendent
Public Works Superintendent
Public Works Superintendent
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Chief Plant Operator
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Director, Facilities and Planning
Director, Facilities and Planning
Director, Facilities and Planning
District Manager, Covelo CSD
District Manager, Covelo CSD
District Manager, Covelo CSD
District Manager, Covelo CSD
District Manager
District Manager, Covelo CSD
District manager, Covelo CSD
DISTRICT MANAGER
District Manager

	9:33	109955
	9:37	150905
City of Eureka		742668
City of Eureka		905850
6:24 a.m.		410294
09/02/08 2:45 p.m.		602959
3:51 p.m.		604987
4:47 p.m.		944362
8:24 p.m.		292197
2:42 p.m.		650462
2:50 p.m.		636083
Sebastopol		768093
Sebastopol		976715
Sebastopol		380594
Sebastopol		549314
Sebastopol		231770
Sebastopol		407437
Sebastopol		386828
Sebastopol		225504
Sebastopol		553992
Sebastopol		295824
1705 hours		140105
Sebastopol		369663
Sebastopol 0900 hrs		649451
Sebastopol		674281
Sebastopol		320069
Sebastopol		611142
	17:03	817271
	10:08 AM	386033
	9:07 AM	226409
Willits, CA		611477
Willits, CA		418821
Willits, CA		378033
	9:49	387842
	9:53 AM	113338
Willits, CA		574344
Willits, CA		886841
	10:51	707314
Willits, CA		184331
Willits, CA		870067
Willits CA		391858
Eureka, CA		724678
Eureka, CA		279877
College of the Redwoods		716206
76270 Grange St. Covelo, CA		422152
76270 Grange St. Covelo CA		724021
76270 Grange St. Covelo CA		924766
76270 Grange St. Covelo CA		533758
76270 Grange St. Covelo, CA		553379
Covelo, CA		290745
Covelo, CA		371710
COVELO,CA		331117
Covelo, CA		952943

31-Mar-12	3/31/2012	4-Apr-12	4/4/2012
31-Mar-12	3/31/2012	4-Apr-12	4/4/2012
2-Dec-12	12/2/2012	5-Dec-12	12/5/2012
24-Oct-13	10/24/2013	24-Oct-13	10/24/2013
16-Jan-08		24-Jan-08	1/24/2008
2-Sep-08		2-Sep-08	9/2/2008
14-Feb-10		17-Feb-10	3/9/2010
6-Oct-10	10/6/2010	7-Oct-10	10/7/2010
18-Nov-10	11/18/2010	18-Nov-10	12/9/2010
27-Feb-12	2/27/2012	9-Mar-12	3/9/2012
5-Mar-12	3/5/2012	9-Mar-12	3/9/2012
22-Apr-07		30-Apr-07	12/2/2010
26-Mar-08		27-Mar-08	12/2/2010
23-May-08		23-May-08	12/2/2010
12-Dec-08		12-Dec-08	12/12/2008
18-Jan-09		18-Jan-09	12/2/2010
4-May-09		4-May-09	12/2/2010
20-May-09		20-May-09	5/20/2009
27-May-09		27-May-09	5/27/2009
27-May-09		27-May-09	5/27/2009
27-May-09		27-May-09	5/27/2009
2-Jan-10		2-Jan-10	1/2/2010
12-Jan-10		12-Jan-10	1/12/2010
20-Jan-10		21-Jan-10	1/21/2010
4-Jun-12	6/4/2012	4-Jun-12	6/4/2012
7-Jan-13	1/7/2013	7-Jan-13	1/7/2013
30-Sep-13	9/30/2013	2-Oct-13	10/2/2013
9-Jun-08		9-Jun-08	6/9/2008
16-Jun-08		16-Jun-08	2/3/2011
24-Jun-08		25-Jun-08	2/3/2011
3-Dec-08		4-Dec-08	12/4/2008
1-Jan-09		1-Jan-09	1/1/2009
9-Feb-09		9-Feb-09	2/9/2009
24-Sep-09		24-Sep-09	9/24/2009
24-Sep-09		24-Sep-09	2/3/2011
7-Oct-09		7-Oct-09	10/7/2009
8-Dec-09		8-Dec-09	12/8/2009
23-Nov-10	11/23/2010	23-Nov-10	11/23/2010
15-Feb-11	2/15/2011	15-Feb-11	2/15/2011
19-May-11	5/19/2011	19-May-11	5/19/2011
1-Aug-12	8/1/2012	1-Aug-12	8/1/2012
11-Feb-09		31-Jan-11	1/31/2011
24-Jan-11	1/24/2011	24-Jan-11	1/31/2011
10-May-11	5/10/2011	11-May-11	5/11/2011
14-Nov-07		28-Nov-07	11/28/2007
28-Nov-07		11-Jan-08	1/11/2008
28-Nov-07		11-Jan-08	1/11/2008
24-Jan-08		24-Jan-08	1/24/2008
24-Jan-08		24-Jan-08	1/24/2008
24-Jan-08		24-Jan-08	1/24/2008
24-Jan-08		24-Jan-08	1/24/2008
30-Apr-08		30-Apr-08	4/30/2008
30-May-08		30-May-08	5/30/2008
13-Nov-08			
8-Jul-09			

Category 2		1900	0
Category 2		6600	0
Category 1		16800	0
Category 1	16	104	40
Category 3		35	35
Category 3		18	18
Category 1		275	35
Category 1		30	29
Category 3		25	25
Category 3		385	385
Category 3		150	150
Category 1		18000	0
Category 1		3000	0
Category 3		60	60
Category 3		150	150
Category 1		9000	0
Category 1		75	0
Category 3		100	100
Category 1		1500	0
Category 1		750	0
Category 1		150	0
Category 3		5	5
Category 3		900	900
Category 1		142500	0
Category 3		194	194
Category 1		420	0
Category 1	20	96	57
Category 3		50	50
Category 3		15	15
Category 3		75	65
Category 3		5	5
Category 3		30	15
Category 3		30	30
Category 3		20	20
Category 3		50	50
Category 3		200	0
Category 3		20	20
Category 3		10	10
Category 3		40	35
Category 3		20	15
Category 3		50	50
Category 1		575	375
Category 1		1000	0
Category 3		50	0
Category 3		8	0
Category 1		40	100
Category 3		60	55
Category 3		150	145
Category 3		60	55
Category 3		30	25
Category 3		20	15
Category 3		50	0
Category 3		100	0
Category 1		60	10
Category 3		30	30

0 No	Yes
0 No	Yes
16800 Yes	No
48 Yes	Yes
No	No
0 No	Yes
240 Yes	Yes
1 Yes	Yes
0 No	Yes
0 No	Yes
0 No	Yes
18000 Yes	Yes
3000 Yes	Yes
0 No	Yes
0 No	Yes
100 Yes	Yes
75 No	Yes
0 No	Yes
1500 Yes	Yes
750 Yes	Yes
150 Yes	Yes
0 No	Yes
0 No	No
142500 Yes	No
0 No	No
420 Yes	Yes
29 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
200 Yes	No
1000 Yes	No
0 No	No
No	No
1 No	Yes
No	No
No	No
No	No
No	No
No	No
0 No	No
0 No	No
50 No	Yes
0 No	No

No
No
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Yes
No
Yes
Yes
Yes
Yes
No
No
Yes
Yes
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Yes
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No
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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No
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe

Waterfront Dr. & T St.
Centreal Ave. & Harris St.
O Street Lift Station
McFarland Ave. Eureka, Ca 95501
Roberts Lake Road and 101 Golf Course Drive
1400 East Cotati ave.
6255 Commerce Blvd.
712 Laguna Dr.
in front of 1450 East Cotati Avenue / Manhole # 2327
442 Floral Way
1324 East Cotati Avenue
Morris Street
Valentine Avenue
432 Florence Avenue
Sebastopol Community Center
7836 Brookside Avenue
714 Johnson Street
275 Morris Street
7836 Brookside Avenue
7575 Bately Court
385 Zimpher Drive
Jewell Avenue
699 Gravenstein Highway North
Sanitary Sewer Force Main
410 Florence Avenue
7125 Willow Street
134 Florence Ave
DripWorks
MH-C142
MH-A42
B21
847 Coast St
1661 So. Main St.
Manhole #A51
Manhole #D82
D72
1730 S. Main (Rite Aide)
83 Mill Creek Drive
781 S. Main
76 Station
Mill Creek Drive / Northbrook Manhole B29
College of the Redwoods
College of the Redwoods
cleanout/vent east of Tompkins Hill Rd.
RIFFE RD
Keith's Market
Mountain Valley Company Cleanout 1
Mountain Valley Company Cleanout 3
Mountain Valley Company Cleanout 3
Mountain Valley Company Cleanout 3
Mountain Valley Company Cleanout 3
ROUND VALLEY INN
Howard Street
8th & M Street - Highway 101 North
Cronk Lift Station

40.80748	-124.15144 Humboldt
40.78057	-124.18025 Humboldt
40.77258	-124.15537 Humboldt
40.796944	-124.143056 Humboldt
38.363926	122.710007 Sonoma
38.332972	122.689706 Sonoma
38.3501	-122.70973 Sonoma
38.34554	-122.72382 Sonoma
38.33492	-122.68697 Sonoma
38.361767	-122.702522 Sonoma
38.332972	-122.689708 Sonoma
38.404944	-122.819536 Sonoma
38.402203	-122.836878 Sonoma
38.403997	-122.830258 Sonoma
38.408472	122.820178 Sonoma
38.403131	-122.835306 Sonoma
38.408833	-122.826014 Sonoma
38.4	-122.816667 Sonoma
38.403311	-122.836089 Sonoma
38.404064	-122.831586 Sonoma
38.403169	-122.836786 Sonoma
38.397647	-122.827419 Sonoma
38.407058	-122.83825 Sonoma
38.404886	-122.813656 Sonoma
38.4038	-122.830414 Sonoma
38.400122	-122.823456 Sonoma
38.400803	-122.828294 Sonoma
39.39	123.336389 Mendocino
39.398333	123.353056 Mendocino
39.412117	-123.360283 Mendocino
39.416111	123.356111 Mendocino
39.405	123.358333 Mendocino
39.391389	123.346944 Mendocino
39.412548	-123.36273 Mendocino
39.38938	-123.34741 Mendocino
39.39028	-123.34665 Mendocino
39.38991	-123.34831 Mendocino
39.791111	-123.6075 Mendocino
39.40422	-123.35145 Mendocino
39.40422	-123.35145 Mendocino
39.413806	-123.639917 Mendocino
40.70308	124.20622 Humboldt
40.69512	-124.19829 Humboldt
40.69512	-124.19829 Humboldt
39.789858	123.245361 Mendocino
39.791319	123.248056 Mendocino
39.792542	123.248044 Mendocino
39.793117	123.248117 Mendocino
39.793117	123.248117 Mendocino
39.793117	123.248117 Mendocino
39.793117	123.248117 Mendocino
39.794142	123.249533 Mendocino
39.794014	123.255722 Mendocino
41.758	124.1966 Del Norte
41.757443	-124.21393 Del Norte

From Manhole on McFarland Ave.

One manhole on Roberts Lake dr. and one manhole in parking lot of Mary's pizza restaurant (101 Golf course dr.)

Manhole in paved street. East bound #2 lane / Manhole # 923

Manhole in street in front of address

Sanitary Sewer Clean out on private property discharging into gutter pan draining to storm sewer drop inlet. City sewer main on East Bound bike lane in front of 1450 East Cotati Avenue. Between Cristobal Road and Camino Colegio Ave. Discharge of Wastewater was overflowing from two manholes (506 & 507) on Floral Way in the street with a combined discharge rate of approximately 10:05 a.m. on February 24, 2012 the City of Rohnert Park Public Works Department received a report of a possible sewer main break. Manholes north of Morris Street Pump Station.

6" sewer main stoppage due to debris. Restored flow.

SSO from SSCO into SD, about 60 gal total, 10 gal into SD, fully recovered

From grease trap at Community Center to storm drain pipe.

Sewer manhole at Brookside and Springdale

Manhole at Johnson and Sunset

City of Santa Rosa removed power supply from SCADA equipment controlling pumps and sewage backed up.

Sewer main in creek bed

Sewer overflowing from manhole in street, entering storm drain and creek

Residential area, into storm drain, creek

Southbound lane 440 Jewell Avenue at Calder Avenue from SSMH

SSO from SSMH due to backup from debris in SS main. FD on scene contained SSO in gutter, which was retrieved by P

In field adjacent to Laguna de Santa Rosa

Backup into granny unit

Sanitary sewer cleanout at 7125 Willow Street to gutter, east to storm drain inlet at corner of Willow and South Main Street

To the rear of the property at 134 Florence Avenue

Spilled from the clean out in customer driveway.

Manhole C142 on Holly Street between Poplar Locust.

School parking lot

A residence at the corner of Coast St. and Hwy 20

Clean out close to street by Chad's Fish and Chips

During regular maintenance of the sewer main, the Vactor Truck (contractor owned) malfunctioned causing a spill of 200 gallons of Gravity Sewer, originated from private lateral final destination was a street and gutter.

Manhole at the intersection

It spilled from the cleanout onto the sidewalk, on corner of 101 and South st.

Blockage at the main, backed up into a lateral. Owner took cap off and spill occurred.

Spill location came up from Manhole B29 at the intersection Mill Creek / Northbrook

West of the Child Development Center

The spill was located just outside the fence to our sewer plant, just west of Tompkins Hill Road and approximately 200 yards clean-out/vent just east of Tompkins Hill Rd. approximately 100 yards south of north entrance to campus

NEAR FIRE HYDRANT IN FIELD JUST NORTH OF THE ROAD.

Parking lot driveway into market.

Empty lot, exposed lateral, plugged down in a pit, all in a fenced area. Lateral #1

Empty lot, exposed lateral, plugged down in a pit, all in a fenced area. Lateral #3

Empty lot, exposed plugged lateral, down in a pit, all in a fenced area. Lateral #3

in a pit on an empty lot, all in a fenced area. Lateral #3.

Exposed Lateral in a pit on a fenced empty lot.

Sewer manhole at the corner of 8th and M Street.

The city crew received a call that a sewer manhole was overflowing at the end of Gainard Street into a Storm Drain. The

1

ain had small blockage causing overflow
from manhole #2327 and and blockage
of approx 7 GPM.
er backup and overflow located in front c

'W and returned to SS main.

ets

1

gallons. The spill was vacuumed up imr

irds east of Highway 101.

drain inlet had a sump that had not ove

Manhole
Manhole
Force main or pressure sewer
Gravity Mainline
Manhole
Manhole
Gravity sewer
Gravity sewer;Other sewer system structure
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Manhole
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Force main or pressure sewer
Building or structure
Other (specify)
Lateral Clean Out (Private)
Gravity sewer
Manhole
Manhole
Manhole
Building or structure
Other sewer system structure
Manhole
Manhole
Other (specify)
Gravity sewer
Manhole
Other sewer system structure
Other sewer system structure
Manhole
Pump station
Manhole
Gravity sewer
Other (specify)
Other (specify)
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other (specify)
Other (specify)
Manhole
Other (specify)
Manhole
Manhole

Manhole

SSCO

Grease Trap

sanitary sewer cleanout

Maintenance person removed SSCO to investigate a backup in the residence. Sewer flowed from CO across property to :
Clean out

came up in the bathroom of the residence at the corner of Hwy 20 and Coast St.
Clean out

paved surface
Clean Out

Clean out
At the clean out

TEMPORARY BYPASS PUMPING HOSE

Sewer bypass pumping hose coupling.

exposed lateral with a plug.

Exposed lateral with a plug.

Exposed Lateral with a plug.

Exposed lateral with a plug.

exposed lateral with a plug.

EXCAVATION OF MANHOLE

In the trench where the manhole was being replaced.

Surface water
Separate storm drain
Surface water
Combined Storm Drain (Combined CS only);Drainage Channel
Other paved surface
Storm drain
Storm drain;Street/curb and gutter;Surface water
Street/curb and gutter;Surface water
Other paved surface;Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter
Separate storm drain;Surface water
Separate storm drain
Separate storm drain;Street/curb and gutter
Storm drain
Surface water
Surface water
Storm drain
Storm drain;Surface water
Storm drain;Street/curb and gutter;Surface water;Unpaved surface
Storm drain;Street/curb and gutter;Surface water
Storm drain
Street/curb and gutter
Unpaved surface
Building or structure
Street/curb and gutter;Surface water;Unpaved surface
Surface Water
Other paved surface
Storm drain
Unpaved surface
Unpaved surface
Building or structure
Other paved surface
Other paved surface
Street/curb and gutter;Other (specify below)
Other paved surface
Street/curb and gutter
Other paved surface
Street/curb and gutter
Street/curb and gutter
Other paved surface;Street/curb and gutter
Surface water
Surface water
Unpaved surface
Unpaved surface
Storm drain;Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Surface water
Other (specify below)

All SSO water recovered

Creek at location not flowing and sewer was vacuumed up from drains.

Wastewater reached a separate storm drain south of the overflowing manhole. The storm drain grate was removed and the spill was recovered and returned to sewer system

drained back to sewer

Manhole located on top of a hill in a resident's backyard
came up in the bathroom of residence
Spilled on to paving next to the clean out

Reached drain box, but box was plugged. All sewage was recovered
It spilled onto the pavement and was washed and vacuumed immediately afterward.

The spill was contained and returned to the manhole, then the pavement was sanitized.
sidewalk, spill cleaned up and returned to the system. Area was sanitized.
spilled into gutter, captured and returned to sewer
Spill was captured with the sweeper truck, area was sanitized

About one gallon seeped past spill barrier material into a storm drain, all else was recovered and emptied into the sewer system
spill was drained back into the lateral.
spill was drained back into the lateral.
spill was drained back into the lateral
Spill was drained back into the lateral when bypass pumping was resumed.
spill drained back into lateral when bypass pumping was resumed

MANHOLE EXCAVATION

In the trench.

Storm Drain to Elk Creek to the Harbor to the Pacific Ocean
Drain Inlet sump

3/30/2012 8:00	3/30/2012 8:00	3/30/2012 8:05	3/30/2012 12:00
3/31/2012 7:00	3/31/2012 7:00	3/31/2012 7:25	3/31/2012 12:30
12/2/2012 4:00	12/2/2012 3:45	12/2/2012 4:00	12/2/2012 11:00
10/24/2013 8:22	10/24/2013 8:22	10/24/2013 8:42	10/24/2013 8:50
1/15/2008 4:10	1/15/2008 4:10	1/15/2008 4:20	1/15/2008 4:45
9/2/2008 9:22	9/2/2008 9:22	9/2/2008 9:35	9/2/2008 9:40
2/14/2010 18:09	2/14/2010 18:15	2/14/2010 18:24	2/14/2010 19:04
10/5/2010 18:58	10/5/2010 19:05	10/5/2010 19:05	10/5/2010 19:27
11/11/2010 8:00	11/11/2010 16:15	11/11/2010 16:20	11/11/2010 17:00
2/16/2012 18:50	2/16/2012 19:45	2/16/2012 19:05	2/16/2012 19:45
2/24/2012 10:05	2/24/2012 10:05	2/24/2012 10:15	2/24/2012 10:35
4/21/2007 19:00	4/21/2007 19:45	4/21/2007 20:00	4/21/2007 20:05
3/24/2008 19:45	3/24/2008 20:00	3/24/2008 20:16	3/24/2008 20:21
5/22/2008 20:32	5/22/2008 20:32	5/22/2008 20:45	5/22/2008 21:30
12/11/2008 19:28	12/11/2008 19:28	12/11/2008 19:45	12/11/2008 20:00
1/18/2009 9:00	1/18/2009 9:30	1/18/2009 9:45	1/18/2009 10:30
5/3/2009 12:30	5/3/2009 12:37	5/3/2009 12:41	5/3/2009 12:52
5/20/2009 10:00	5/20/2009 10:00	5/20/2009 10:02	5/20/2009 10:05
5/26/2009 15:10	5/26/2009 15:15	5/26/2009 15:20	5/26/2009 16:15
5/26/2009 18:15	5/26/2009 18:20	5/26/2009 18:25	5/26/2009 18:50
5/27/2009 8:10	5/27/2009 8:10	5/27/2009 8:15	5/27/2009 8:25
1/2/2010 14:45	1/2/2010 14:45	1/2/2010 14:50	1/2/2010 15:30
1/11/2010 18:00	1/11/2010 18:45	1/11/2010 18:05	1/11/2010 18:45
1/20/2010 11:30	1/20/2010 11:37	1/20/2010 11:55	1/20/2010 18:00
5/28/2012 8:00	5/30/2012 15:00	5/30/2012 15:05	5/29/2012 9:00
1/6/2013 12:00	1/6/2013 16:46	1/6/2013 17:05	1/6/2013 18:56
9/29/2013 10:35	9/29/2013 10:55	9/29/2013 11:45	9/29/2013 16:30
5/13/2008 18:00	5/13/2008 18:10	5/13/2008 18:30	5/13/2008 18:31
5/19/2008 11:02	5/19/2008 11:02	5/19/2008 11:20	5/19/2008 11:30
6/19/2008 8:23	6/19/2008 8:30	6/19/2008 8:43	6/19/2008 8:47
12/2/2008 14:45	12/2/2008 15:30	12/2/2008 15:45	12/2/2008 16:00
12/30/2008 19:40	12/30/2008 19:50	12/30/2008 20:15	12/30/2008 20:25
1/15/2009 13:00	1/15/2009 13:00	1/15/2009 12:45	1/15/2009 13:20
9/23/2009 9:20	9/23/2009 9:30	9/23/2009 9:40	9/23/2009 9:25
9/23/2009 0:00	9/23/2009 15:25	9/23/2009 15:35	9/23/2009 0:00
10/7/2009 10:35	10/7/2009 10:35	10/7/2009 10:35	10/7/2009 10:40
12/5/2009 15:05	12/5/2009 15:10	12/5/2009 15:25	12/5/2009 15:45
11/23/2010 8:45	11/23/2010 8:47	11/23/2010 8:49	11/23/2010 9:00
2/10/2011 17:45	2/10/2011 19:30	2/10/2011 17:55	2/10/2011 18:45
5/18/2011 16:00	5/18/2011 16:00	5/18/2011 16:05	5/18/2011 16:15
8/1/2012 8:20	8/1/2012 8:20	8/1/2012 8:30	8/1/2012 8:45
2/11/2009 10:05	2/11/2009 10:10	2/11/2009 10:10	2/11/2009 10:30
1/21/2011 9:30	1/21/2011 9:30	1/21/2011 9:30	1/21/2011 10:20
2/4/2011 8:00	2/4/2011 8:20	2/4/2011 8:30	2/4/2011 8:15
11/5/2007 10:20	11/5/2007 10:28	11/5/2007 10:28	11/5/2007 10:28
11/12/2007 8:30	11/12/2007 8:32	11/12/2007 8:32	11/12/2007 8:32
11/16/2007 10:00	11/16/2007 11:30	11/16/2007 11:30	11/16/2007 12:00
11/16/2007 10:00	11/16/2007 11:30	11/16/2007 11:30	11/16/2007 12:00
11/19/2007 10:30	11/19/2007 11:00	11/19/2007 11:00	11/19/2007 11:15
11/20/2007 10:00	11/20/2007 10:15	11/20/2007 10:15	11/20/2007 10:30
11/26/2007 10:00	11/26/2007 10:10	11/26/2007 10:10	11/26/2007 10:20
3/28/2008 11:00	3/28/2008 11:02	3/28/2008 11:02	3/28/2008 11:30
4/18/2008 14:00	4/18/2008 14:05	4/18/2008 14:05	4/18/2008 14:05
11/13/2008 0:00	11/13/2008 13:48	11/13/2008 13:52	11/13/2008 14:15
6/20/2009 18:05	6/20/2009 18:09	6/20/2009 18:20	6/20/2009 20:30

Rainfall exceeded design (Separate CS Only)
Rainfall exceeded design (Separate CS Only)
Rainfall exceeded design (Separate CS Only)
Debris-General
Grease deposition (FOG)
Grease deposition (FOG)
Debri-Rags
Debri-General
Pipe structural problem/failure
Grease deposition (FOG)
Grease deposition (FOG)
Operator error
Debri-General
Root intrusion
Grease deposition (FOG)
Debri-General
Root intrusion
Operator error
Root intrusion
Root intrusion
Grease deposition (FOG)
Debri-General
Debri-General
Pipe structural problem/failure
Root intrusion
Debri-General
Debris-General
Debris
Debris
Debri-General
Root intrusion
Root intrusion
Other (specify below)
Root intrusion
Grease deposition (FOG)
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General
Debri-General
Debri-Rags
Pump station failure
Root intrusion
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Debris
Other (specify below)

Mary's Pizza Shack's failure to maintain grease interceptor was the cause of grease being released into the City of Rohnet

After the overflow employees CCTV line and found a structural problem in the pipe where the blockage occurred. The area
Upon investigation it was discovered that the nearby homeowners association (HOA) (approx 200 single family homes) had
It was determined that blockage and resulting overflow was caused by a build up of fats, oils, & grease near the end of the

Believed grease buildup from previous blockages caused this blockage

The spill came up the manhole and receded back into the manhole, some sewage was absorbed in to the surrounding dirt

Local Plumber pushed blockage into City's line causing the back-up

Partial Blockage due to grease

The spill was caused by a vacuor truck malfunction.

Main was plugged due debris in the pipe

Blockage due to paper towels

HOSE FAILURE IN BYPASS PUMPING OPERATION

Delivery truck running over discharge hose coupling.

plug in lateral leaked, while bypass pumping plug was in place and pumping not in progress.

plug in lateral leaked, while bypass pumping was in place and pumping not in progress.

Temporary bypass pumping not operating continuously, allowing sewage to reach plugs not seating properly.

Plug in lateral leaked while bypass pumping was not in progress.

plug in lateral leaked while bypass pumping in place and pumping not in progress.

MANHOLE REPLACEMENT, UNISOLATABLE SOURCES.

Construction, replacement of sewer line and manholes.

Building just completed adjacent to manhole. Approximately one cubic foot of concrete was discovered in the channel of the
Lift station.

Main
Main
Other (specify below)
Gravity Mainline
Port Park wastewater collection system line. Rej
Main
Main
Main
Main
Main
Main
Main
Other (specify below)
Main
Other (specify below)
Other (specify below)
Main
Main
Other (specify below)
Main
Main
Main
Main
Main
Main
Main
Lower Lateral
Main
Gravity Mainline
Main
Main
Main
Main
Main
Lower Lateral
Main
Main
Other (specify below)
Lower Lateral
Main
Main
Main
Main
Main
Upper Lateral
Main
Main

Main
Other (specify below)

Manhole outside of our O st. Lift Staion, flows from HCSD system

port: Sanitary sewer overflow in the parking lot at the Mary's Pizza Shack at 101 Golf Course Drive. The other surroundir

N/A

inside pump station

SSCO

Grease Trap

Pump station

No Failure within the system

Control issue at Cronk Lift Station

No
ing food service establishmen

6 PVC
6 ACP
8 VCP
6 ACP
6 ACP & C900
6 ACP
6 PVC

8 VCP
4
6 PVC
8 PVC
14 VCP
6 AC
8
6
6
6 PVC
14 PVC
4 plastic
6 Clay
8 Transite
8 pvc
6 AC
6 clay
6 AC
6 clay
4 AC
6
8

No

4 pvc
6 VCP
4 transite
6 Transite
6 VCP
2 metal
8 vitrified clay pipe
4 asbestos/cement

4 ACP
4 ACP
4 acp
4 ACP
4 ACP
6

50
25
1980

40
30
20
21
32
30
35
40

25
1
15
100
672
8
50
60
45

1968
30
35

20

10
10
40
40
45
45

46
46

46
46

Contained all or portion of spill

Wastewater was overflowing from two manholes (506 & 507) on Floral Way in the street with a combined discharge rate of approximately 100 gallons per minute.
•10:05 a.m. on February 24, 2012 the City of Rohnert Park Public Works Department received a report of a possible sewer main break.

Public Works, Fire Department, Police Department responded to contain, unblock, retrieve spill, return to sanitary sewer main.

Returned power supply to pumps

Cleared blockage and cleaned up sewage from street, yards, and creek
Crew responded and contained, then returned to sewer. Cleared blockage, and cleaned up
Less than 1 gallon/minute spill. Debris retrieved from SSMH.

Property manager vacuumed 15 gallons and the City's Insurance company sent out a contractor to clean the residence
Replaced pipe with PVC

Jetted the line
Sanitized the pavement where spill occurred
Sanitized the area
Contained the spill, returned it to the manhole and then sanitized the spill area.
Sanitized spill area
Captured spill, jetted line and sanitized area with sweeper
Spill was captured with the sweeper truck, area was sanitized

shut off pump. collected spill with shop vac.
drained spill back into lateral when bypass pumping began. replaced plug tightly. added bleach into pit.
Drained spill back into lateral when bypass pumping began. Replaced plug tightly and bleached the pit.

When we arrived on site we immediately placed a barrier around the storm drain inlet. We called in a Vactor truck to extract the spill.

3/30/2012 12:30
3/31/2012 12:45
12/2/2012 11:30
10/24/2013 8:45

2/14/2010 22:00
10/6/2010 10:05

4/22/2007 7:30
3/24/2008 20:30

1/18/2009 0:00
5/3/2009 1:00

5/26/2009 18:30
5/26/2009 22:30
5/27/2009 9:30

1/20/2010 22:00

1/6/2013 21:30
9/30/2013 10:00

9/23/2009 16:30

2/11/2009 14:40
1/21/2011 14:00

11/12/2007 12:30

11/13/2008 14:40

Added sewer to preventive maintenance program
Added sewer to preventive maintenance program
Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance
Other (specify below)

Other (specify below)
Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program; Repaired sewer
Added sewer to preventive maintenance program; Enforcement action against FOG source; Plan rehabilitation or replacement of sewer
Added sewer to preventive maintenance program; Enforcement action against FOG source

Repaired sewer

Added sewer to preventive maintenance program; Other (specify below)
Adjusted schedule/method of preventive maintenance; Inspected Sewer Using CCTV to Determine Cause

Added sewer to preventive maintenance program; Adjusted schedule/method of preventive maintenance

Other (specify below)
Plan rehabilitation or replacement of sewer

Other (specify below)

Added sewer to preventive maintenance program

Yet to be determined upon further investigation. Collection system main will be inspected with camera equipment and any repairs will be made as needed.

Operator removed diversion to allow additional flow.

Hired contractor to clean and televise to determine on-going cause of blockages

Adding to PM and receiving report to repair or replace

Lift Station pump failed and was replaced

Demanded that contractor man the sewage bypass pump while pumping is in progress.

Yes
Yes
Yes
No

Yes
Yes

Yes
Yes

Yes
No

Yes
Yes
Yes

Yes

Yes
Yes

CCTV

No

No
No

No

No

N/A
SSO did not reach receiving water
No visual sewer but a slight odor of sewer was detected
No visual impacts to receiving water

No Impacts, did not flow to receiving waters
N/A
Area was inspected by foot. Area was found to have no visible solids and/or noticeable impact. No dead fish were found in

Creek Running Clear

NA
No visual change
None, but odor
None

None

No visual indication of spill upon inspection

No impact to receiving water
N/A
N/A
n/a

N/A

N/A
N/A
N/A
N/A
N/A
N/A
n/a

The spill contained only liquid, there were no solids. It was raining very heavily at the time so there was no observed spill in

No impact.

NA
N/A

none

No
No
No
No

No

Yes
No

Yes
No

Yes
Yes

Yes
Yes
Yes

Yes

No
Yes

No

No

No
No

No

No

NA

N/A

N/A
N/A
NA
NA

N/A
NA

NA
NA
NA

NA

N/A
NA

N/A

N/A
N/A

n/a
NA

NA

N/A

Humboldt Bay
Humboldt Bay
Martin Slought to Elk River To Humboldt Bay

Hinebaugh creek flood control channel
Laguna De Santa Rosa
Overflow did not reach surface waters
N/A
N/A
Laguna de Santa Rosa
Zimpher Creek

Zimpher Creek
Laguna De Santa Rosa

Zimpher Creek, Laguna de Santa Rosa
Zimpher Creek, Laguna de Santa Rosa
Zimpher Creek

Laguna de Santa Rosa
N/A
Laguna de Santa Rosa

N/A

N/A
N/A

n/a
Unnamed creek on college property. This ditch eventually flows to White Slouge and then to South Humboldt Bay.
White Slough
spill did not reach any surface waters

NA

N/A

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

Other chemical indicator(s) - specify below; Biological indicator(s) - specify below
No water quality samples taken; Not applicable to this spill

Dissolved oxygen; Other chemical indicator(s) - specify below
Dissolved oxygen; Biological indicator(s) - specify below

Biological indicator(s) - specify below
Not applicable to this spill

Dissolved oxygen; Biological indicator(s) - specify below
Dissolved oxygen
Dissolved oxygen; Biological indicator(s) - specify below

Biological indicator(s) - specify below

Dissolved oxygen; Biological indicator(s) - specify below
Dissolved oxygen; Biological indicator(s) - specify below

Not applicable to this spill

No water quality samples taken
No water quality samples taken

Not applicable to this spill

Not applicable to this spill

NH3 , TSS, Total and Fecal coliform, Oil and grease

BOD,TSS,PH,NH3N
coliform

Coliform

coliform, e coli, DO

coliform, e coli

Total coliform and total fecal coliform

bacteria and fecal
EC,TDS,BOD,NO3,N-ORG,NH3-D,P-TOT,TKN,Total and Fecal Coliform

None of the above
None of the above
None of the above
No water quality samples taken

County Health Agency;Regional Water Quality Control Board
No water quality samples taken;Not applicable to this spill

Regional Water Quality Control Board
None of the above

County Health Agency;Regional Water Quality Control Board
Not applicable to this spill

County Health Agency;Regional Water Quality Control Board
County Health Agency;Regional Water Quality Control Board
County Health Agency;Regional Water Quality Control Board

County Health Agency

County Health Agency;Regional Water Quality Control Board
County Health Agency

Not applicable to this spill

No water quality samples taken
No water quality samples taken

Not applicable to this spill

None of the above

Sample results are expected to arrive from lab March 1, 2010.

Results not yet received

Pending

Pending

Area/Volume spill footprint

121903	3/31/2012 12:00
121905	3/31/2012 11:00
127312	12/2/2012 12:15
136620	10/24/2013 10:35
80490	1/16/2008 3:17
86413	9/2/2008 10:40
101164	2/14/2010 18:50
106015	10/5/2010 19:29
106827	11/11/2010 18:14
120924	2/16/2012 22:15
121082	2/24/2012 12:15
72465	4/22/2007 11:15
82357	3/26/2008 17:00
83696	5/22/2008 22:00
88844	12/11/2008 22:00
90412	1/18/2009 10:35
93406	5/3/2009 2:30
93804	5/20/2009 10:30
93940	5/26/2009 16:00
93943	5/26/2009 19:30
93950	5/27/2009 8:50
100018	1/2/2010 15:45
1000216	1/11/2010 19:25
100480	1/20/2010 12:55
130123	1/6/2013 18:56
136105	9/29/2013 13:25

89263	12/30/2008 21:50
90349	1/15/2009 15:59
96497	9/23/2009 10:30
96509	9/24/2009 16:30
96761	10/7/2009 10:52
98124	12/5/2009 14:45
107046	11/23/2010 9:05
110817	2/10/2011 19:30
113062	5/18/2011 16:45
124478	8/1/2012 10:20
91176	2/11/2009 10:50
110411	1/21/2011 12:50

Frank Mathes

7074414253

Nathan Sutton

7078235331

1SSO10022	Active	740840	Ready To Certify
1SSO10022	Active	750468	Ready To Certify
1SSO10022	Active	758828 James Barnts	Certified
1SSO10022	Active	800911	Submit Draft
1SSO10023	Active	731165 W. Arthur Reeve	Certified
1SSO10023	Active	735135 W. Arthur Reeve	Certified
1SSO10023	Active	742974 Mike Peeples	Certified
1SSO10023	Active	748490 Art Reeve	Certified
1SSO10023	Active	749034 W. Arthur Reeve	Certified
1SSO10023	Active	753066 Art Reeve	Certified
1SSO10023	Active	761207 James Barnts	Certified
1SSO10023	Active	764182 James Barnts	Certified
1SSO10023	Active	765915 James Barnts	Certified
1SSO10023	Active	765916 James Barnts	Certified
1SSO10023	Active	772499 James Barnts	Certified
1SSO10023	Active	779307 James Barnts	Certified
1SSO10027	Active	748463 Doug Culbert	Certified
1SSO10027	Active	791868 steve coppini	Certified
1SSO10028	Active	710908 George Roberts	Certified
1SSO10028	Active	752165 Ron Walker	Certified
1SSO10028	Active	793240 Matt Froneberger	Certified
1SSO10030	Active	712044	Ready To Certify
1SSO10031	Active	710855 Mike Flockhart	Certified
1SSO10031	Active	711136 Mike Flockhart	Certified
1SSO10031	Active	712199 Mike Flockhart	Certified
1SSO10031	Active	712206 Wayne C. Yazzolino	Certified
1SSO10031	Active	716121 Wayne Yazzolino	Certified
1SSO10031	Active	731695 Mike Flockhart	Certified
1SSO10031	Active	750632 Mike Flockhart	Certified
1SSO10031	Active	752086 Mike Flockhart	Certified
1SSO10031	Active	753035 Mike Flockhart	Certified
1SSO10031	Active	756311 Mike Flockhart	Certified
1SSO10031	Active	760063 Mike Flockhart	Certified
1SSO10031	Active	760180 Mike Flockhart	Certified
1SSO10031	Active	763986 Mike Flockhart	Certified
1SSO10031	Active	764729 Mike Flockhart	Certified
1SSO10031	Active	764744 Mike Flockhart	Certified
1SSO10031	Active	774725 Mike Flockhart	Certified
1SSO10031	Active	776187 mike Flockhart	Certified
1SSO10031	Active	778769 Mike Flockhart	Certified
1SSO10031	Active	788652 Mike Flockhart	Certified
1SSO10031	Active	794308 Mike Flockhart	Certified
1SSO10031	Active	795951 Mike Flockhart	Certified
1SSO10032	Active	740070 Ronald Copenhafer	Certified
1SSO10032	Active	748969 Ronald Copenhafer	Certified
1SSO10033	Active	731161 Robert W. Rawson	Certified
1SSO10033	Active	761402 Brian Kelly	Certified
1SSO10033	Active	764300 Brian D. Kelly	Certified
1SSO10035	Active	717414 Jerry C. Orth	Certified
1SSO10037	Active	708771 Brian Diamantini	Certified
1SSO10037	Active	743797 Brian Diamantini	Certified
1SSO10037	Active	743831 bdiamantini	Certified
1SSO10037	Active	745131 Brian Diamantini	Certified
1SSO10037	Active	747724 Brian Diamantini	Certified
1SSO10037	Active	748919 Brian Diamantini	Certified

Director Of Publics Work

County Engineer
County Engineer
Engineering Technician
Del Norte County Engineer
County Engineer
Acting County Engineer
County Engineer
Director of Public Works
County Engineer
County Engineer
County Engineer
County Engineer
Chief Plant Operator
chief operator
General Manager
Chief Plant Operator
General Manager

Utility Superintendent
Utility Superintendent
Utility Superintendent
Deputy Director General Services
General Services Director
Utility Superintendent
Utility Superintendent
Utility Superintendent
LRO
Utility Superintendent
Utility Superintendent
Utility Superintendent
Utility Superintendent
Utility Superintendent
Utility Superintendent
Utility Superintendent
Utility Superintendent
Utility Superintendent
Public Works Director
Public works Director
Public Works Director
Chief Operator
Chief Operator
General Manager
Operator
Terdherder
Lead Operator II
Wastewater Utility Foreman
Wastewater Utility Foreman
Wastewater Utility Foreman
Wastewater Utility Foreman
Wastewater Utility Foreman
Wastewater Foreman

Crescent City		163974
Crescent City, CA		520941
981 H Street, Suite 110, Crescent City, CA 95531		883742
	10:37	435119
3:48 P.M.		738926
	16:27	789100
Del Norte County Offices		353120
County Offices		403023
	17:00	745749
Del Norte County		212741
Del Norte County		491318
County Offices		767052
377 J Street, Crescent City, CA		587766
Ferndale, CA		682877
ferndale		381666
FORESTVILLE, CA		306812
Forestville Water District		514385
Forestville W D		662652
	1:37 PM	652670
	1:45 PM	423002
	3:00 PM	309463
City of Fortuna		432181
City of Fortuna		411068
	1:30 PM	999158
	2:00 PM	611997
	1:10 PM	847314
11:59am		405785
	1:50 PM	814963
Fortuna, Ca.		972075
Fortuna, Ca.		263778
10:37am		721014
12:01pm, Fortuna, Ca.		595640
9:40 am, Fortuna Ca.		965555
	11:10 AM	273375
	3:00 PM	325136
	13:07	612985
	1:08 PM	957577
	5:10 PM	175261
	16:25	623513
Garberville Sanitary District		831964
Garberville Sanitary District		121690
Graton		101803
1300 PM		958132
GCSD		329469
	7:45 AM	970901
2:05pm		452780
City of Healdsburg		590762
	9/5/2009	823028
	1449	509215
2:00pm		707777
14:00Hrs		153331

8-Jul-09			
10-Mar-10			
22-Nov-10	11/22/2010	22-Nov-10	11/22/2010
20-Nov-13	11/20/2013		
29-Dec-08		29-Dec-08	12/29/2008
17-Mar-09		17-Mar-09	3/17/2009
13-Aug-09		8-Dec-10	12/8/2010
20-Jan-10		20-Jan-10	1/20/2010
1-Feb-10		1-Feb-10	2/1/2010
4-Jun-10	6/4/2010	4-Jun-10	6/4/2010
14-Jan-11	1/14/2011	6-Apr-11	4/6/2011
8-Mar-11	3/8/2011	8-Mar-11	3/8/2011
28-Apr-11	11/18/2011	18-Nov-11	11/18/2011
28-Apr-11	4/28/2011	18-Nov-11	11/18/2011
28-Oct-11	10/28/2011	11-Jan-12	1/11/2012
31-Mar-12	3/31/2012	31-Mar-12	3/31/2012
20-Jan-10		31-Jan-11	1/31/2011
21-Feb-13	4/23/2013	8-May-13	5/8/2013
8-Jan-08		8-Jan-08	1/8/2008
4-May-10		4-May-10	5/4/2010
8-Apr-13	4/8/2013	8-Apr-13	4/8/2013
30-Jan-08			
7-Jan-08		11-Dec-10	12/11/2010
11-Jan-08		11-Dec-10	12/11/2010
1-Feb-08		1-Feb-08	12/10/2010
1-Feb-08		1-Feb-08	2/1/2008
14-Apr-08		14-Apr-08	4/14/2008
10-Jan-09		17-Mar-09	12/11/2010
16-Mar-10		16-Mar-10	12/11/2010
30-Apr-10		11-Dec-10	12/11/2010
3-Jun-10	6/3/2010	3-Jun-10	6/21/2010
25-Aug-10	8/25/2010	25-Aug-10	12/11/2010
2-Jan-11	1/2/2011	3-Jan-11	1/3/2011
4-Jan-11	1/4/2011	4-Jan-11	1/5/2011
3-Mar-11	3/3/2011	3-Mar-11	3/3/2011
23-Mar-11	3/23/2011	31-Mar-11	3/31/2011
24-Mar-11	3/24/2011	24-Mar-11	3/24/2011
23-Dec-11	12/23/2011	23-Dec-11	12/23/2011
20-Jan-12	1/20/2012	20-Jan-12	1/20/2012
16-Mar-12	3/16/2012	16-Mar-12	3/16/2012
2-Dec-12	12/2/2012	2-Dec-12	12/2/2012
20-May-13	5/20/2013	20-May-13	5/20/2013
22-Jun-13	6/22/2013	22-Jun-13	6/22/2013
26-Jun-09		26-Jun-09	6/26/2009
30-Jan-10		2-Feb-10	2/2/2010
29-Dec-08		30-Dec-08	12/30/2008
19-Jan-11	1/19/2011	19-Jan-11	1/19/2011
11-Mar-11	3/11/2011	11-Mar-11	3/11/2011
14-May-08		14-Jun-08	6/14/2008
5-Dec-07		31-Jan-11	1/31/2011
26-Aug-09		26-Aug-09	8/26/2009
27-Aug-09		27-Aug-09	9/5/2009
28-Sep-09		28-Sep-09	9/28/2009
21-Dec-09		31-Jan-11	1/31/2011
28-Jan-10		28-Jan-10	1/28/2010

Category 3		25	25
Category 3		800	0
Category 1		500	350
Category 1	1500	4800	3300
Category 3		30	0
Category 3		180	0
Category 3		15	15
Category 1		50	0
Category 3		15	15
Category 3		60	0
Category 1		100	50
Category 1		100	30
Category 3		150	150
Category 3		150	150
Category 1		50	50
Category 1		12000	0
Category 1		38000	0
Category 1		30000	0
Category 1		90	50
Category 1		65	0
Category 3		35	35
Category 3		50	50
Category 1		50	0
Category 1		20	0
Category 1		300	0
Category 1		300	0
Category 3		2	0
Category 1		8	0
Category 3		2	2
Category 3		400	5
Category 3		650	0
Category 1		5	0
Category 1		250	0
Category 1		67000	0
Category 1		450	0
Category 1		950	0
Category 1		100	0
Category 2		300000	300000
Category 1		750	0
Category 3		300	0
Category 1		450	0
Category 1		360	150
Category 1		250	0
Category 3		225	0
Category 1		5000	0
Category 3		250	50
Category 1		300	200
Category 1		300	200
Category 1		33264	9000
Category 3		3	3
Category 3		5	5
Category 3		20	20
Category 3		20	20
Category 3		5	0
Category 3		5	5

0 No	No
0 No	Yes
150 Yes	Yes
3300 Yes	No
0 No	No
0 No	No
0 No	No
50 Yes	Yes
0 No	No
0 No	No
50 Yes	Yes
70 Yes	Yes
0 No	Yes
0 No	Yes
1 Yes	Yes
12000 Yes	No
17000 Yes	No
30000 Yes	No
40 No	Yes
30 Yes	Yes
0 No	No
No	No
50 Yes	No
20 Yes	No
300 Yes	Yes
300 Yes	Yes
0 No	No
8 No	Yes
0 No	No
0 No	Yes
0 No	Yes
5 Yes	Yes
100 Yes	Yes
65000 Yes	No
450 Yes	No
950 Yes	No
100 Yes	Yes
0 No	No
750 Yes	Yes
0 No	Yes
450 Yes	Yes
210 No	Yes
250 No	Yes
0 No	No
1000 Yes	No
0 Yes	No
100 Yes	No
100 Yes	No
24264 Yes	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No

Not Applicable - Spill did not reach storm drainpipe
No
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
No
Yes
Yes
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe

End of the cul de sac of Gainard Street
500 E Cooper Street
5th and N Street in Crescent City, CA 95531
Waste Water Treatment Plant
Nelson Lane
Nelson Lane
WalMart Lift Station
176 Elk Valley Road
Liftstation 7, Burtshell Lift Station, Crescent City, CA 95531
130 Nelson Ln. ,Crescent City Ca. 95531
840 East Washington Boulevard
City of Crescent City
Intersection of Darby and Dodane
Intersection of Darby and Dodane
Corner of Washington Blvd. and Summer Lane in Crescent City
325 Kern Street
port kenyon road appx. 300' west of market street
port kenyon road manhole number 1.3
SECOND STREET AT HIGHWAY 116, FORESTVILLE CA
Manhole #752-4 Hwy 116 @ Packing House Road
2nd at Front
320 9th Street
2880 Huffman Drive
Loni Drive Manhole
12 st. @ Loni Drive
Randolph
Laurelwood Lift Station
137 12th St.
Manhole #611
2144 Skylark
2600 Boone St.
2240 Newburg Rd
Kenmar and Shields Lane
Fortuna WWTP
West end of Smith Lane
Strong's Creek
12th St. at Loni Dr.
WWTP perc pond
Fortuna Blvd. North of Strong's Creek intersection
Boone St.
12th St. at Loni Dr.
2305 Newburg Rd.
2947 Cheryl Lane.
Merideth spill 06/24/09
Merideth Spill
Oak Grove Avenue - Manhole 10-5
3820 Ross Road
3820 Ross Road
CSA6N
1335 Daisy Street
420 East Street
245 Healdsburg Avenue
417 University Avenue
Hidden Acres Drive
Brown Street Healdsburg CA .95448

41.757443	-124.21393 Del Norte
41.76214	-124.20163 Del Norte
41.7549	-124.193864 Del Norte
41.747286	-124.201151 Del Norte
41.75595	124.1817 Del Norte
41.755969	-124.181783 Del Norte
41.772989	-124.191383 Del Norte
41.750386	-124.183411 Del Norte
41.771442	-124.195122 Del Norte
41.755636	-124.181756 Del Norte
41.77277	-124.1912 Del Norte
41.753767	-124.191217 Del Norte
41.75624	-124.153856 Del Norte
41.75624	-124.153856 Del Norte
41.772964	-124.191253 Del Norte
41.760006	-124.215925 Del Norte
40.566667	-124.25099 Humboldt
40.59435	-124.25634 Humboldt
38.473581	122.893025 Sonoma
38.828056	-122.88844 Sonoma
38.4737	-122.89291 Sonoma
38.551905	-121.746363 Yolo
40.577039	124.127833 Humboldt
40.592778	-124.156175 Humboldt
40.592128	-124.154486 Humboldt
40.590864	124.151347 Humboldt
40.529642	124.136214 Humboldt
40.592056	-124.154417 Humboldt
40.58456	-124.15472 Humboldt
40.57449	-124.13358 Humboldt
40.57077	-124.13725 Humboldt
40.14911	-124.14257 Humboldt
40.5765	-124.13601 Humboldt
40.592778	-124.158333 Humboldt
40.592378	-124.149217 Humboldt
40.58947	-124.15887 Humboldt
40.592808	-124.154467 Humboldt
40.590106	-124.161958 Humboldt
40.580394	-124.146822 Humboldt
40.570806	-124.137361 Humboldt
40.59302	-124.15451 Humboldt
40.589472	-124.142278 Humboldt
40.57243	-124.1364 Humboldt
40.104378	-123.781114 Humboldt
40.104394	-123.780822 Humboldt
38.434481	122.8643 Sonoma
38.4424	-122.87259 Sonoma
38.4424	-122.87259 Sonoma
38.750056	123.500202 Sonoma
38.626356	122.868853 Sonoma
38.61273	-122.8688 Sonoma
38.6094	-122.87031 Sonoma
38.61275	-122.86327 Sonoma
38.61503	-122.85398 Sonoma
38.61809	-122.86415 Sonoma

The spill was an overflowing manhole at the center of the Gainard Street Cul-de-Sac.
Sewage was coming out of the manhole in Cooper Street near the entrance to the county yard.
In the driveway south of the Intersection of 5th and N Street

The sewer manhole on Nelson Lane in Crescent City, California
Manhole seeped sewage into a heavily rained on forest, during an unusually heavy rain fall event.
The spill was contained to a small area in the street and cleaned up. The spill occurred in the manhole prior to entering the
Clean out in roadway
Existing sewer lift station wet well
During a heavy storm event the inflow in the sewer line increased beyond the capacity of the sewer lift station therefore p

Manhole at the intersection of 2nd and N Street

The manhole at the intersection of Darby and Dodane in the unincorporated, residential area east of Crescent City, CA
The manhole at the intersection of Darby and Dodane in the unincorporated, residential area east of Crescent City, CA
This is located at the corner of Summer Lane and Washington Boulevard about 30 feet north on Summer Lane
a clean out approximately 15 feet west of Kern, in some trees and brush

approximately 500 yards east of waste treatment facility

MANHOLE AT INTERSECTION

Manhole located 54' West and 3' higher than Hwy 116. Manhole located 100' North of Packing House Road.

Manhole located at intersection of 2nd and Front Streets

Front Yard

Manhole in front of residence was seeping out between rim and lid. Small amount of water was running in gutter into stor

Manhole in middle of roadway

At intersection of Loni Drive and 12 Street. Surcharge out of manhole. Heavy rains, creeks at flood level.

At end of dead end road, manhole surcharge near creek, heavy rains, creek at flood stage

Sewer pump station at end of street

Clean out in the sidewalk at 137 12th St.

The first manhole traveling south on Riverwalk Drive from Dinsmore Drive, in front of Eel River Disposal.

Clean-out at 2144 Skylark Lane overflowed into Storm drain on end of lane.

Manhole on Boone Street

Clean-out in sidewalk at 2240 Newburg Rd.

Manhole at the intersection of Kenmar and Shields Lane

Sewage leaked out of Manhole #147 at the end west of Smith Lane

Strong's Creek at old abandon discharge point at a location south of Fortuna's Wastewater Treatment Plant

Manhole #695 on 12th St.

Wastewater discharge from WWTP contact basin to perk pond that was unchlorinated

Manhole just north of Strong's Creek Plaza intersection

Manhole on Boone St. just north of School St.

Surcharging out of manhole

Cleanout in sidewalk

2947 Cheryl Ln. spill at clean out in sidewalk

on ground behind the residence at 180 Merideth in the Meadows Subdivision, in Garberville, CA.

Spill occurred on the east side of a driveway at the end of Merideth Ln.

In front of the residence at 3820 Ross Rd on the western side of the roadway. Between the property line leading to Atasc

The property in question at 3820 Ross Road and the adjacent properties of Manzana Products Co. Inc located at 9141 G
Secondary Treatment Plant

top of sidewalk, from property side cleanout

5 feet from property line cleanout. East Street main, south towards North Street.

property line cleanout trickling sewage onto sidewalk, down gutter. Temporarily dammed until spill response crew arrives.

On golf course property. Overflowing manhole. all sewage soaked into ground. sewage did not leave the property

Propertyline cleanout leak

3 wetwell for the walmart Lift station.

portable sewer pump trucks were called in

n drain. Estimated amount was less than

adero Creek.
reenvalley Road has a drainage ditch that

Manhole
Gravity sewer
Manhole
Other sewer system structure
Gravity sewer
Manhole
Manhole
Other (specify)
Manhole
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Pump station
Other sewer system structure
Manhole
Gravity sewer
Gravity sewer;Manhole
Other sewer system structure
Building or structure;Manhole
Other (specify)
Manhole
Other sewer system structure
Manhole
Other (specify)
Gravity sewer
Manhole
Manhole
Gravity sewer
Other sewer system structure
Force main or pressure sewer
Force main or pressure sewer
Manhole
Force main or pressure sewer
Force main or pressure sewer
Building or structure
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer

Wastewater was coming out around the manhole.
Wastewater Treatment Plant Digester

Was a clean out in the roadway

Wastewater coming out of the pick hole of the manhole
This is a gravity sewer which is overflowing due to extremely heavy rain and a lift station unable to keep up with the flows

Clean-out in sidewalk at 2240 Newburg Rd.
Spill at manhole and also toilets overflowed at 2828 Kenmar and 2831 Kenmar Rd.
Strong's Creek and Eel River
Grease blockage in main caused backup and spill out of manhole cover

Perc pond at WWTP

Surfaced on the western roadway edge when the pumps came on at the lift station #1.

cleanout at property line

Flow was from gravity sewer mainline sewer lid. percolated into the the golf course property
Property line cleanout

Other (specify below)
Surface water
Other (specify below)
Beach
Unpaved surface
Other (specify below)
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Unpaved surface
Surface water
Other (specify below)
Other (specify below)
Other (specify below)
Separate storm drain
Surface water
Surface water
Surface water
Storm drain
Surface water
Street/curb and gutter
Other (specify below)
Surface water
Surface water
Separate storm drain;Street/curb and gutter;Surface water
Surface water
Other (specify below)
Separate storm drain
Street/curb and gutter
Separate storm drain
Storm drain
Separate storm drain
Building or structure;Street/curb and gutter
Other (specify below)
Surface water
Surface water
Surface water
Other (specify below)
Surface water
Unpaved surface
Separate storm drain
Separate storm drain
Separate storm drain;Other (specify below)
Unpaved surface
Other (specify below)
Surface water;Unpaved surface;Other (specify below)
Surface water
Unpaved surface
Surface water
Other (specify below)
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Unpaved surface

Drain Inlet Sump
Elk Creek Slough Area
Storm drain system to drain ditch to Elk Creek to Harbor

Woody Wildness
Sewage flowed into a forest that was saturated by the heavy rainfall

Sewer spill was removed and plant in waster water collection system

Crescent City Harbor and then ocean
All flow contained and returned to sanitary sewer system
All flow contained and returned to sanitary sewer system

This is an unnamed ravine that carries drainage from the surrounding area to the ocean.

Jones Creek

Sanitary sewer

Rohner Creek
Confined to pump station area

Perked into pasture land.
Field
Storm drain system that eventually drains into Rohner Creek approxiamently one mile away

Strongs Creek and Eel River
Spill leaked into Rohner creek, which flows into the Eel River app. 1 mile downstream

Perc pond at WWTP
Spill ran into a storm drain which final destination was Strongs Creek
rock diffuser in grassy swale

SSO leaked into a stormdrain which eventually drains into an open field
The destination of the spill was on the ground at the leak location causing a mud hole. slight amount of the spill travled a
Drainage adjacent to spill.
Spill followed road surface to vegetated embankment. It could not be determined whether stream was impacted due to \
The spill made its way along the property line to the Atascadero Creek Watershed.

disposed at the wastewater treatment plant
All twenty gallons were collected and deposited at the wastewater treatment facility.

Sewage soaked into the ground. nothing to cleanup. The estimated amount of fluid that had leaked from the manhole was:
puddle near cleaout

6/21/2009 12:45	6/21/2009 12:50	6/21/2009 13:00	6/21/2009 14:00
3/8/2010 6:45	3/8/2010 8:45	3/8/2010 6:55	3/8/2010 7:05
11/20/2010 11:50	11/20/2010 12:40	11/20/2010 12:15	11/20/2010 12:35
11/20/2013 4:30	11/20/2013 6:30	11/20/2013 6:30	11/20/2013 6:35
12/28/2008 14:00	12/28/2008 14:05	12/28/2008 14:20	12/28/2008 15:00
3/16/2009 8:00	3/16/2009 8:00	3/16/2009 8:00	3/16/2009 9:30
8/12/2009 10:00	8/12/2009 9:45	8/12/2009 10:00	8/12/2009 10:03
1/20/2010 10:40	1/20/2010 10:41	1/20/2010 10:50	1/20/2010 11:00
2/1/2010 8:50	2/1/2010 8:35	2/1/2010 9:00	2/1/2010 8:52
6/4/2010 0:30	6/4/2010 0:30	6/4/2010 0:00	6/4/2010 1:00
1/14/2011 7:45	1/14/2011 7:50	1/14/2011 8:00	1/14/2011 8:05
3/8/2011 13:00	3/8/2011 13:10	3/8/2011 13:15	3/8/2011 16:00
4/27/2011 20:30	4/28/2011 11:30	4/28/2011 0:01	4/28/2011 2:00
4/27/2011 20:30	4/28/2011 11:30	4/28/2011 0:01	4/28/2011 2:00
10/28/2011 12:45	10/28/2011 12:48	10/28/2011 12:52	10/28/2011 13:05
3/30/2012 12:00	3/30/2012 12:10	3/30/2012 12:15	3/31/2012 10:15
1/19/2010 8:30	1/19/2010 8:45	1/19/2010 8:45	1/19/2010 8:55
12/2/2012 16:30	12/2/2012 16:35	12/2/2012 16:45	12/2/2012 16:50
1/5/2008 12:30	1/5/2008 12:30	1/5/2008 12:35	1/5/2008 14:00
4/26/2010 15:25	4/26/2010 15:25	4/26/2010 15:30	4/26/2010 17:35
4/1/2013 10:30	4/1/2013 10:30	4/1/2013 10:33	4/1/2013 10:35
12/21/2007 13:07	12/21/2007 13:07	12/21/2007 13:18	12/21/2007 13:18
1/7/2008 13:30	1/7/2008 14:00	1/7/2008 14:10	1/7/2008 14:20
1/10/2008 13:55	1/10/2008 14:00	1/10/2008 14:15	1/10/2008 14:25
1/31/2008 15:00	1/31/2008 15:00	1/31/2008 15:05	1/31/2008 16:00
1/31/2008 15:00	1/31/2008 15:15	1/31/2008 15:15	1/31/2008 16:00
4/13/2008 10:00	4/13/2008 10:15	4/13/2008 10:15	4/13/2008 0:00
1/10/2009 12:10	1/10/2009 12:11	1/10/2009 12:20	1/10/2009 12:30
3/16/2010 14:30	3/16/2010 14:31	3/16/2010 14:33	3/16/2010 14:34
4/30/2010 10:30	4/30/2010 10:50	4/30/2010 11:00	4/30/2010 11:10
6/3/2010 8:45	6/3/2010 8:50	6/3/2010 8:55	6/3/2010 9:15
8/25/2010 8:10	8/25/2010 8:10	8/25/2010 8:18	8/25/2010 8:20
1/2/2011 19:30	1/2/2011 19:35	1/2/2011 19:50	1/2/2011 20:15
1/3/2011 19:29	1/4/2011 8:45	1/4/2011 8:40	1/4/2011 8:45
3/3/2011 8:00	3/3/2011 8:15	3/3/2011 8:30	3/3/2011 8:45
3/23/2011 15:00	3/23/2011 15:45	3/23/2011 15:45	3/23/2011 16:35
3/24/2011 6:45	3/24/2011 6:50	3/24/2011 6:50	3/24/2011 7:05
12/23/2011 0:30	12/23/2011 8:30	12/23/2011 8:30	12/23/2011 8:30
1/20/2012 12:45	1/20/2012 12:50	1/20/2012 12:58	1/20/2012 13:15
3/16/2012 10:50	3/16/2012 10:55	3/16/2012 11:00	3/16/2012 11:10
12/2/2012 8:00	12/2/2012 8:10	12/2/2012 8:10	12/2/2012 9:30
5/18/2013 10:00	5/18/2013 10:00	5/18/2013 10:10	5/18/2013 12:00
6/22/2013 9:15	6/22/2013 9:20	6/22/2013 9:55	6/22/2013 10:05
6/23/2009 15:00	6/24/2009 9:30	6/24/2009 9:45	6/24/2009 9:50
1/29/2010 12:00	1/30/2010 10:15	1/30/2010 10:15	1/30/2010 10:15
12/26/2008 12:00	12/26/2008 12:30	12/26/2008 12:30	12/26/2008 14:00
1/11/2011 0:00	1/11/2011 9:30	1/11/2011 9:45	1/11/2011 16:30
1/11/2011 0:00	1/11/2011 9:30	1/11/2011 9:55	1/11/2011 11:55
5/11/2008 21:31	5/12/2008 6:15	5/12/2008 6:25	5/12/2008 6:30
10/20/2007 13:30	10/20/2007 13:40	10/20/2007 13:45	10/20/2007 14:16
7/20/2009 10:30	7/20/2009 12:30	7/20/2009 10:40	7/20/2009 11:15
7/15/2009 9:30	7/15/2009 11:43	7/15/2009 9:32	7/15/2009 10:00
8/27/2009 10:25	8/27/2009 11:53	8/27/2009 10:35	8/27/2009 10:55
11/26/2009 10:30	11/26/2009 10:55	11/26/2009 11:05	11/26/2009 11:25
12/25/2009 10:30	12/25/2009 10:30	12/25/2009 11:00	12/25/2009 12:00

Other (specify below)
Debri-Rags
Other (specify below)
Operator Error
Rainfall exceeded design
Other (specify below)
Pump station failure
Pump station failure
Grease deposition (FOG)
Flow exceeded capacity
Operator error
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Pump station failure
Rainfall exceeded design (Separate CS Only)
Pump station failure
Pump station failure
Grease deposition (FOG)
Debri-Rags
Debri-Rags
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Rainfall exceeded design (Separate CS Only)
Rainfall exceeded design
Pump station failure
Debri-General
Pump station failure
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General
Grease deposition (FOG)
Other (specify below)
Grease deposition (FOG)
Pipe structural problem/failure
Flow exceeded capacity (Separate CS Only)
Other (specify below)
Debri-Rags
Grease deposition (FOG)
Flow exceeded capacity (Separate CS Only)
Grease deposition (FOG)
Grease deposition (FOG)
Pipe structural problem/failure
Pipe structural problem/failure
Other (specify below)
Pipe structural problem/failure
Pipe structural problem/failure
Pipe structural problem/failure
Grease deposition (FOG)
Root intrusion
Debri-Rags
Root intrusion
Grease deposition (FOG)
Root intrusion

Lift Station malfunction

Root ball and grease

Extreme heavy rainfall cause I/I problems through the County and the Waste Water Treatment Plant could not handle the
The pumps in the lift station did not cycle properly resulting in the spill. The problem was fixed immediatly. Staff responde

Blockage in one of our main sewer pipes. Pipe is still allowing about 4.5 mgd to pass but blocked enough to cause a spill
Our operators arrived at the scene about 15 minutes after the spill was discovered. The system would not allow me to en
Our operators arrived at the scene about 15 minutes after the spill was discovered. The system would not allow me to en

This region experienced extreme, and extended rain fall. A Emergency Operations Center was established, and all the e

Soda cans, children toys, and rags.
Rags blocking free flow of sewer pipe
Unknown
Unknown / Mainline plug

Blockage in Main

Resident at 2240 Newburg Rd. noticed his toilet flushing slow and went outside to pull his cleanout plug in the sidewalk ar

RAS pump failed and SCADA system failed

Level sensor failed on meter, causing a reading of zero flow, which turned the chlorinator off.

The spill was caused when a pvc pushon joint became deflected, probably due to earth movement. a slight leak occurred

Sewer main blockage caused by root mass and grease.
The spill originated from a small hole approximately 1/4 inch in a 1 inch copper line that was installed on the force main.

Other (specify below)
Main
Main
Other (specify below)
Main
Other (specify below)
Other (specify below)
Other (specify below)
Main
Main
Other (specify below)
Main
Main
Main
Other (specify below)
Other (specify below)
Main
Main

Main
Main

Main
Main

Lower Lateral
Main
Main
Main
Lower Lateral
Main
Other (specify below)
Main
Other (specify below)
Main
Other (specify below)
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Other (specify below)

Lower Lateral
Lower Lateral
Lower Lateral
Main
Lower Lateral

Cronk Lift Station bubbler system failure. After this overflow the failure was discovered and fixed.

Wastewater Treatment Plant Digester

Heavy Rain Fall caused I/I problems to intensify and the treatment plant had to reduce the volume of sewer flow, thereby Lift station did not cycle the pumps on resulting in the spill.

Part malfunction in lift station caused both pumps to shut down.

Wal Mart Lift Station

Manhole at the corner of 2nd and B Street

Pump station failure

The lift station could not keep up with the flows and therefore the level in the wet well got high enough that the water began

150' up the main from the manhole.

Approximately 100' downstream from manhole at 6671 Front Street

Between clean-out and the main.

Treatment plant

Valve fail

WWTP contact basin

The failure occurred on a 1/4 inch hole that materialized on a copper line that was installed on the force main leading from

EFF line from pump

No	6 clay 10 clay
causing backup in the sewer	6 clay 6 Clay 8 N/A 6 21
an discharging out of the low	4 pvc 5 POLYETHALINE 5 Polyethylene 5 PE 6 AC 4 SDR35 6 SDR35 6 PVC 10 SDR35 4 SDR35 6 SDR 35 10 AC 12 12 SDR 35 10 SDR 35 12 SDR 35 10 SWR35 6 SDR 35 3 PVC 3 PVC 6 Asbestos Concrete 8 A.C.
n lift station #1 to the downst	4 4 4 PVC 4 PVC 8 4 CLAY

45
40

28

30
30

40

25
40
10

35
20
25
20
25
25

50

50

25
30
35
35
25
25
30
33
1975

40

Contained all or portion of spill
 Other (specify below)
 Restored flow
 Cleaned-Up;Mitigated Effects of Spill;Contained all or portion of spill;Returned Portion of Spill to Sanitary Sewer System;
 Restored flow
 Restored flow
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Restored flow
 Contained all or portion of spill
 Restored flow
 Cleaned-up (mitigated effects of spill)
 Other (specify below)
 Cleaned-up (mitigated effects of spill)
 Cleaned-up (mitigated effects of spill)
 Returned all or portion of spill to sanitary sewer system
 Other (specify below)
 Restored flow
 Other (specify below)
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Restored flow
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
 Cleaned-up (mitigated effects of spill)
 Inspected sewer using CCTV to determine cause
 Other (specify below)
 Other (specify below)
 Contained all or portion of spill
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
 Returned all or portion of spill to sanitary sewer system
 Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
 Restored flow
 Cleaned-up (mitigated effects of spill);Restored flow
 Cleaned-up (mitigated effects of spill);Restored flow
 Other (specify below)
 Restored flow
 Other (specify below)
 Restored flow
 Cleaned-up (mitigated effects of spill)
 Cleaned-up (mitigated effects of spill);Restored flow
 Cleaned-up (mitigated effects of spill);Restored flow
 Restored flow
 Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of :
 Cleaned-up (mitigated effects of spill);Restored flow
 Cleaned-up (mitigated effects of spill);Restored flow;Other (specify below)
 Restored flow
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Returned all or portion of spill to sanitary sewer system
 Returned all or portion of spill to sanitary sewer system
 Contained all or portion of spill
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
 Cleaned-up (mitigated effects of spill);Restored flow
 Cleaned-up (mitigated effects of spill)

Overflow was contained, manhole was pumped, lift station was fixed, the street and drain inlet was cleaned and sanitizer. We opened up the line and then fully cleaned the line between the manholes.

Two 4500 gallon Sewer Pump Truck were dispatched to remove excess sewage to eliminate the discharge of sewage. manually activated lift station pumps and cleaned off road way with cleaning agent. Then took samples of water at three c

Cleaned up spill and restored lift station to operational condition
Seeking to determine nature of blockage and remove from pipe. In the meantime are pumping at effected manhole and l

As indicated above the spill occurred at about 12:45 this afternoon. An Operator arrived on the scene shortly after. It was As soon as we were able to mobilize a truck to this lift station the problem was solved.

computer malfunction caused influent pumps to stop. this was discovered before spill occurred, so response was in place l

Blockage was cleared with jet rod equipment. Line up stream to next manhole were jetted, as well as down stream lines to Jetted affected line to remove blockage

Heavy rains, spill quit surcharging within 1 hour
Heavy rains, creek at flood level, surcharge out of manhole, mostly rainwater/clear fluid

Captured small amount with Vaccon.

Diverted to pond

Pumped out pipe, filled pipe with concrete

Contained in perc pond and chlorinated

We replaced the leaking pipe joint with a solid piece of PVC pipe

Sewage backed up and was contained in the shower pan at 8921 Oak Grove Avenue. Vendors were called to unblock the Received phone call of a possible leak along the western roadway in front of the residence at 3820 Ross Rd. Responded

Informed customer about proper grease disposal - in Spanish

The city staff used a jetter truck to clear the blockage of grease in the line

3/8/2010 9:30
11/20/2010 12:40
11/20/2013 12:00

1/20/2010 11:30

1/14/2011 8:05
3/8/2011 17:30

10/28/2011 1:40
3/31/2012 11:30
12/6/2010 8:55
12/2/2012 16:50
1/5/2008 14:00
4/26/2010 19:30

1/7/2008 14:20
1/10/2008 15:00
1/31/2008 16:00
1/31/2008 16:00

1/10/2009 12:40

4/30/2010 2:30
6/3/2010 11:30
8/25/2010 8:20
1/2/2011 21:31
1/4/2011 8:45
3/3/2011 8:45
3/23/2011 16:30
3/24/2011 7:06
12/23/2011 10:00
1/20/2012 14:30
3/16/2012 13:00
12/2/2012 11:00
5/18/2013 15:00
6/22/2013 10:30

1/30/2010 0:00
12/29/2008 17:22
1/11/2011 16:30
1/11/2011 16:30
5/12/2008 16:30

Repaired sewer
Repaired sewer
Other (specify below)

Adjusted schedule/method of preventive maintenance;Repaired sewer

Other (specify below)
Other (specify below)

Adjusted schedule/method of preventive maintenance
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program
Adjusted schedule/method of preventive maintenance
Plan rehabilitation or replacement of sewer;Other (specify below)
Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Other (specify below)
Adjusted schedule/method of preventive maintenance
Repaired sewer
Adjusted schedule/method of preventive maintenance
Other (specify below)
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance

Repaired sewer
Other (specify below)
Plan rehabilitation or replacement of sewer;Repaired sewer
Repaired sewer
Repaired sewer;Other (specify below)

Standard Operating Procedures were reviewed,

Investigating reason pumps did not operate and why high level alarm was not responded to.
Removed blockage

The pumps in the pump station will be analyzed to determine that they were pumping at top efficiency. We are also replace repaired electrical elements on inflow pump
fixed computer glitch that caused pumps to shut down. this action was being worked on before spill occurred thus keeping
INCREASE GREASE TRAP INSPECTION AND PUMP SCHEDULE
Adjusted schedule for more frequent cleaning.

System capacity study in this years annual budget

Diverted wastewater to pond

Ordered new parts for failed equipment

Vendor contacted to clean entire line. Determination of preventive maintenance interval to be determined after CCTV inspection

In process of having a wireless system hooked up to monitor and control pumps at this location, with flow set points and alarm

No	
No	
Yes	Water

No

No
No

No
Yes
No
No
No
No

No
Yes
No
No

No

No
No
No
No
Yes
No
No
No
No
No
No
No
No
No

No
Yes
No
No
No

None
Flow in main restored
No impact observed
None
None

No visual detection.
No impact was visual at the receiving waters
There was no impact to receiving water.
No visual impact
none

No visual change. The flow coming from the overflow was 90% rain water so there was no visual impacts to the receiving

No visual noticeable.
N/A

none

None
None

No signs of visual damage to receiving water.

No visual fish damage
Collection crew visual inspection of Rohner Creek after clearing main line noticed no visual impact. Creek flowing high d
No visual damage to receiving water
No visual damage from impacted receiving water

No visual impact, heavy rains in the area, creek flowing heavily with sediment

Rivers and Creeks near floor stage, high muddy water with high flows, no visual damage observed
No visual impact of Rohner Creek

Puddles of water in drainage appear muddy. No floating sewage observed. No odor or foam observed.
None

not applicable

None

No	
No	
Yes	Yes

No

No
No

No
No
No
No
No
No

No
No
No
No

No

No
No
No
No
No
No
No
No
No
No
No
No
No
No

No
No
No
No
Yes

N/A

Front Beach adjacent to WWTP

NA

NA

N/A

N/A

None

n/a

NA

NA

NA

NA

NA

NA

N/A

N/A

NA

NA

None

NA

None

Elk Creek
Elk Creek
Pacific Ocean

Elk Creek

Elk Creek
Elk Creek
none
none
Storm Drain
Unnamed ravine and Pacific Ocean
Francis creek
francis creek
NA
N/A
N/A

Jameson Creek
Rohner Creek
Rohner Creek / Eel River
Rohner Creek / Eel River

Rohner Creek
NA
NA
NA
Rohner Creek
Kenmar drainage ditch
Strongs Creek and Eel River
Rohner Creek
Strongs Creek
Rohner Creek
None
Strongs Creek
NA
Rohner Creek
Rohner Creek
N/A

NA
Unnamed open drainage ditch
Atascadero Creek
Unknown if spill actually reach to the Atascadero Creek watersed.
Salal Creek

None

Biological indicator(s) - specify below
No water quality samples taken
Biological indicator(s) - specify below

Biological indicator(s) - specify below

No water quality samples taken
No water quality samples taken

No water quality samples taken
Biological indicator(s) - specify below
No water quality samples taken
No water quality samples taken
No water quality samples taken
Biological indicator(s) - specify below

No water quality samples taken
No water quality samples taken
No water quality samples taken;Not applicable to this spill
No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
Other chemical indicator(s) - specify below
No water quality samples taken
Other chemical indicator(s) - specify below
No water quality samples taken
Other chemical indicator(s) - specify below
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken
Other (specify below)
Other chemical indicator(s) - specify below
Biological indicator(s) - specify below
Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

Biological Indicators-specifically ecoli

Total and fecal coliform

Colaforms

We will be doing a total coliform and a fecal coliform. We took samples at the source, in a drainage sidestream near the

Samples taken: Coli form, Ammonia N, and D.O.

High water / storm events

Chlorine

Nitrate-1.3, ammonia-21

Chlorine residual taken

Coliform and Phosphorous

Coliform, ammonia, nitrate, BOD, TSS

Total and Fecal coliform, ammonia, nitrate, BOD, TSS

Coliforms total and fecal, Cl₂, BOD, PH, TSS, NH₃n

Regional Water Quality Control Board
None of the above
County Health Agency;Regional Water Quality Control Board

County Health Agency

None of the above
None of the above

None of the above
County Health Agency
No water quality samples taken
No water quality samples taken
None of the above
Regional Water Quality Control Board

No water quality samples taken
Regional Water Quality Control Board
None of the above
None of the above

No water quality samples taken

None of the above
None of the above
No water quality samples taken
No water quality samples taken
Regional Water Quality Control Board
No water quality samples taken
Regional Water Quality Control Board
None of the above
Regional Water Quality Control Board
None of the above
No water quality samples taken
None of the above
No water quality samples taken
No water quality samples taken

None of the above
Regional Water Quality Control Board
County Health Agency;Regional Water Quality Control Board
Regional Water Quality Control Board
Regional Water Quality Control Board

We took one sample in the creek below the discharge about 200 feet below the storm drain pipe after the event was taken

Regional Water Quality Control Board, County Health Department.

Water Quality Sample test data not received as of 12/30/2008

Sample results not yet received

care of. The ecoli count was 240,000. The upstream background was taken from an adjacent creek that flowed into this

Calculated estimate pump discharge volume in gpm times duration of discharge minus recovered quantities

106988	
137154	11/20/2013 8:15
89226	12/29/2008 14:14
92321	3/17/2009 17:00

100473	1/20/2010 12:30
100850	2/1/2010 11:55
103417	6/4/2010 8:05
110254	1/14/2011 8:20
111414	3/8/2011 16:00

116446	10/28/2011 13:25
121883	3/30/2012 13:30
0	1/31/2011 10:00
0	12/2/2012 17:00

102623	4/26/2010 16:40
131947	4/1/2013 11:10

90206	1/10/2009 12:45
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102714	4/30/2010 2:00
103404	6/3/2010 10:35
105088	8/25/2010 9:30

110041	1/4/2011 10:20
111294	3/3/2011 9:50
111823	3/23/2011 15:46
111830	3/24/2011 8:17
117567	12/23/2011 10:55
120386	1/20/2012 14:15
121549	3/16/2012 11:45
127315	12/2/2012 12:53
133059	5/20/2013 17:00
133796	6/22/2013 16:17
94569	6/24/2009 14:10
100813	1/30/2010 11:25
89220	12/29/2008 14:02
110207	1/11/2011 17:00
110207	1/11/2011 17:00
83429	5/12/2008 9:08

95118	7/20/2009 12:30
95018	7/15/2009 11:40
95952	8/27/2009 11:53
97953	11/26/2009 14:00
98563	12/25/2009 12:20

Eric Wier

7074649506

1SSO10037	Active	751099 Brian Diamantini	Certified
1SSO10037	Active	751137 Brian Diamantini	Certified
1SSO10037	Active	751140 Brian Diamantini	Certified
1SSO10037	Active	752025 Brian Diamantini	Certified
1SSO10037	Active	752026 Brian Diamantini	Certified
1SSO10037	Active	752526 Brian Diamantini	Certified
1SSO10037	Active	757982 Brian Diamantini	Certified
1SSO10037	Active	761177 Brian Diamantini	Certified
1SSO10037	Active	764088 Brian Diamantini	Certified
1SSO10037	Active	765627 Brian Diamantini	Certified
1SSO10037	Active	766545 Brian Diamantini	Certified
1SSO10037	Active	768504 Brian Diamantini	Certified
1SSO10037	Active	769130 Brian Diamantini	Certified
1SSO10037	Active	774104 Brian Diamantini	Certified
1SSO10037	Active	774107 Brian Diamantini	Certified
1SSO10037	Active	775684 Brian Diamantini	Certified
1SSO10037	Active	775713 Brian Diamantini	Certified
1SSO10037	Active	775714 Brian Diamantini	Certified
1SSO10037	Active	775719 Brian Diamantini	Certified
1SSO10037	Active	780152 Brian Diamantini	Certified
1SSO10037	Active	780313 Brian Diamantini	Certified
1SSO10037	Active	782833 Brian Diamantini	Certified
1SSO10037	Active	782887 Brian Diamantini	Certified
1SSO10037	Active	782895 Brian Diamantini	Certified
1SSO10037	Active	783943 Brian Diamantini	Certified
1SSO10037	Active	792908 Brian Diamantini	Certified
1SSO10037	Active	792919 Brian Diamantini	Certified
1SSO10037	Active	794584 Brian Diamantini	Certified
1SSO10037	Active	795957 Brian Diamantini	Certified
1SSO10037	Active	796267 Brian Diamantini	Certified
1SSO10037	Active	798464 Rob Scates	Certified
1SSO10037	Active	800569 Rob Scates	Certified
1SSO10038	Active	719757 Evert Jacobson	Certified
1SSO10038	Active	746604 David Redding	Certified
1SSO10038	Active	755234 David Redding	Certified
1SSO10041	Active	645941 Robert Moser	Certified
1SSO10041	Active	657108 Jay Thompson	Certified
1SSO10041	Active	704767 L. James Lea	Certified
1SSO10041	Active	705587 Jay Thompson	Certified
1SSO10041	Active	708974 Robert Moser	Certified
1SSO10041	Active	710477	Work In Progress
1SSO10041	Active	712653 Jay Thompson	Certified
1SSO10041	Active	718558 Jay Thompson	Certified
1SSO10041	Active	718639 Jay Thompson	Certified
1SSO10041	Active	725617 Jay Thompson	Certified
1SSO10041	Active	725695 Jay Thompson	Certified
1SSO10041	Active	725702 Jay Thompson	Certified
1SSO10041	Active	725912 Jay Thompson	Certified
1SSO10041	Active	730407 Robert Moser	Certified
1SSO10041	Active	765945 Robert Moser	Certified
1SSO10041	Active	770044 Robert Moser	Certified
1SSO10041	Active	782633 Michael Colombo	Certified
1SSO10041	Active	787994 Michael Colombo	Certified
1SSO10041	Active	788353 Michael Colombo	Certified
1SSO10042	Active	739671 Markus Drumm	Certified

Wastewater Utility Foreman
Wastewater Utility Foreman
Wastewater Utility Foreman
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Utility Foreman
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Wastewater Utility Foreman
Wastewater Utility Foreman
Wastewater Utility Foreman
Wastewater Operations Foreman
Wastewater Utility Foreman
General Manager
manager
Manager
Public Works Supervisor
Director of Public Works
General Manager
Director of Public Works
Public Works Supervisor

Plant Operator
Director of Public Works
Director of Public Works
Director of Public Works
Director of Public Works
Director of Public Works
Director of Public Works
Public Works Supervisor
Public Works Supervisor
Public Works Supervisor
Wastewater Supervisor
Wastewater supervisor
Wastewater Supervisor
General Manager

	3/29/2010	486810
	3/30/2010	404198
	3/30/2010	901103
	4/28/2010	894923
2:42pm		689269
	5/18/2010	876834
10:30am		160484
9:50AM		323218
	1:25 PM	403421
	2:25	248708
11:43am		108635
	4:00	990177
1:00PM		729905
	1438	190164
	1506	375557
	1508	830858
	833	127720
	847	602476
	902	376099
1:00pm		869082
1:08pm		810082
9:50am		626299
11:38am		569625
12:26pm		934189
8:31am		463270
8:30am		976917
9:22am		328858
9:13am		366781
8:40 a.m.		122599
3:50pm		954621
	1210	740388
	919	335122
	9:25	838326
	15:21	984844
	15:45	250116
11:05am		813898
Lake ShastinaCSD		983352
Lake Shastina, CA		777061
16320 Everhart Dr. Weed, Ca.		980826
11:02am		317395
5:27am		736158
Lake Shastina		661469
Lake Shastina		973322
Lake Shastina C.S.D.		616611
Lake Shastina C.S.D.		266953
Lake Shastina C.S.D.		927050
Lake Shastina		597885
11:04am		922861
09:51am		642768
2:38pm		196126
	11:30 AM	261269
	11:41 AM	746189
	3:38 PM	271644
Loleta, CA		193321

29-Mar-10		29-Mar-10	3/29/2010
30-Mar-10		30-Mar-10	3/30/2010
30-Mar-10		30-Mar-10	3/30/2010
28-Apr-10		28-Apr-10	4/28/2010
28-Apr-10		28-Apr-10	1/31/2011
18-May-10	5/18/2010	18-May-10	5/18/2010
21-Oct-10	10/21/2010	21-Oct-10	10/21/2010
13-Jan-11	1/13/2011	13-Jan-11	1/13/2011
7-Mar-11	3/7/2011	11-Mar-11	3/11/2011
19-Apr-11	4/19/2011	19-Apr-11	4/19/2011
16-May-11	5/16/2011	16-May-11	5/16/2011
14-Jul-11	7/14/2011	14-Jul-11	7/14/2011
28-Jul-11	7/28/2011	28-Jul-11	7/28/2011
14-Dec-11	12/14/2011	14-Dec-11	12/14/2011
14-Dec-11	12/14/2011	14-Dec-11	12/14/2011
10-Jan-12	1/10/2012	10-Jan-12	1/10/2012
11-Jan-12	1/11/2012	11-Jan-12	1/11/2012
11-Jan-12	1/11/2012	11-Jan-12	1/11/2012
11-Jan-12	1/11/2012	11-Jan-12	1/11/2012
16-Apr-12	4/24/2012	24-Apr-12	4/24/2012
18-Apr-12	4/18/2012	24-Apr-12	4/24/2012
3-Jul-12	7/3/2012	3-Jul-12	7/3/2012
3-Jul-12	7/3/2012	3-Jul-12	7/3/2012
3-Jul-12	7/3/2012	3-Jul-12	7/3/2012
24-Jul-12	7/24/2012	24-Jul-12	7/24/2012
26-Mar-13	3/26/2013	26-Mar-13	3/26/2013
26-Mar-13	3/26/2013	26-Mar-13	3/26/2013
29-May-13	5/29/2013	29-May-13	6/24/2013
24-Jun-13	6/24/2013	24-Jun-13	6/24/2013
27-Jun-13	6/27/2013	27-Jun-13	6/27/2013
4-Sep-13	9/16/2013	16-Sep-13	9/16/2013
7-Nov-13	11/7/2013	7-Nov-13	11/7/2013
17-Jun-08		18-Jun-08	6/18/2008
5-Nov-09		1-Dec-09	7/28/2010
19-Jul-10	7/27/2010	27-Jul-10	7/27/2010
22-Jan-07		31-Mar-11	3/31/2011
11-Sep-07		11-Sep-07	9/11/2007
5-Oct-07		5-Oct-07	10/5/2007
17-Oct-07		17-Oct-07	10/17/2007
11-Dec-07		31-Mar-11	3/31/2011
28-Dec-07		28-Dec-07	
8-Feb-08		3-Feb-11	2/3/2011
30-May-08		30-May-08	5/30/2008
2-Jun-08		2-Jun-08	6/2/2008
2-Sep-08		2-Sep-08	4/10/2009
3-Sep-08		3-Sep-08	9/3/2008
3-Sep-08		3-Sep-08	9/3/2008
8-Sep-08		8-Sep-08	9/8/2008
10-Dec-08		31-Mar-11	3/31/2011
29-Apr-11	4/29/2011	29-Apr-11	4/29/2011
22-Aug-11	8/22/2011	10-Nov-11	11/10/2011
28-Jun-12	6/28/2012	28-Jun-12	6/28/2012
13-Nov-12	11/13/2012	13-Nov-12	11/13/2012
26-Nov-12	11/26/2012	26-Nov-12	11/26/2012
20-Jun-09		29-Jul-09	7/29/2009

Category 3		1	1
Category 3		10	10
Category 3		2	2
Category 3		2	2
Category 3		5	5
Category 3		30	0
Category 3		30	30
Category 3		15	15
Category 3		40	40
Category 3		10	10
Category 3		10	10
Category 3		1	0
Category 3		20	20
Category 3		75	0
Category 3		400	0
Category 1		17	1
Category 3		5	5
Category 3		2	2
Category 3		3	3
Category 3		10	10
Category 3		1	0
Category 1		645	110
Category 3		142	142
Category 3		30	30
Category 3		250	250
Category 3		3	3
Category 3		10	10
Category 1		1225	100
Category 3		128	128
Category 3		12	0
Category 1	0	299	101
Category 3	182	752	752
Category 3		45	45
Category 3		200	200
Category 3		50	50
Category 2		1999	1500
Category 3		60	60
Category 1		150	150
Category 3		35	10
Category 2		22000	22000
Category 3		200	0
Category 2		1000	800
Category 3		999	0
Category 3		100	80
Category 3		300	0
Category 3		300	0
Category 3		100	0
Category 3		200	0
Category 3		300	0
Category 3		200	150
Category 3		50	40
Category 3		200	0
Category 3		15	15
Category 3		15	7
Category 1		87000	0

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
16 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
535 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
1225 Yes	Yes
0 No	No
0 No	No
198 Yes	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
No	No
100 Yes	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
87000 Yes	Yes

[illegible]

718 Center Street
517 University Street
327 East Street
410 Grant Street
308 Burgundy Road
1125 North Fitch Mt Road
421 University Ave
402 Sunnyvale Drive
120 Fitch Street
318 Piper Street
525 Johnson Street Healdsburg Ca
439 GRANT St. Healdsburg
619 Johnson Street, Healdsburg
400 University St
Sanns Lane and University Avenue
Intersection of Healdsburg Ave. and Mill St. , 185 Mill St.
Intersection of Prince and Grant Streets, 222 GRant St.
36 Mill St.
177 Healdsburg Ave.
Johnson Street
1414 lupine
112 Lincoln St
South University @ Healdsburg Ave
812 Pordon Lane
417 University Street
39 So. University Street
718 Brown Street
255 Dry Creek Road, Healdsburg
144 Piper Street
311 Burgundy Dr
Terrace Blvd. & Lupine Rd.
421 University Ave.
lift station hiway 175
Intersection of hwy 101 & hwy 175, NE corner
Hwy 175 lift pump station
Sewer Station B110
Sewer Station B-105 Intersection of Browndeer Rd./ Rainbow Drive
Lakeshore Drive/Indian Island
16820 Middlecoff
Lake Shastina Sewer Ponds /Big Springs RD.
Sandy Ln.
Lake Shastina C. S. D. Sewer Ponds
Lake Shore Road / Indian Island
Sewer Station B-111
Sewer Station B-103 Lake Shastina Dr.
Sewer Station B 110
Sewer Station B 110
Sewer Station B 110
Sewer Station B-117
Sewer Station B100
Sewer Station B-111
Lake Shore Drive & Indian Island
5126 Lake Shastina Dr
B116 Riverside Dr
Manhole 010

38.61778	-122.87039 Sonoma
38.61479	-122.86361 Sonoma
38.61177	-122.868822 Sonoma
38.61565	-122.86525 Sonoma
38.63962	-122.87875 Sonoma
38.62243	-122.85385 Sonoma
38.61323	-122.86347 Sonoma
38.62927	-122.86693 Sonoma
38.60925	-122.86629 Sonoma
38.61393	-122.86641 Sonoma
38.61513	-122.86996 Sonoma
38.61598	-122.86375 Sonoma
38.61662	-122.86996 Sonoma
38.61231	-122.86311 Sonoma
38.62307	-122.8638 Sonoma
38.6512	-122.91504 Sonoma
38.615829	-122.868521 Sonoma
38.607496	-122.871165 Sonoma
38.607657	-122.869916 Sonoma
38.61932	-122.86955 Sonoma
38.62793	-122.86913 Sonoma
38.61737	-122.87153 Sonoma
38.60404	-122.86321 Sonoma
38.61971	-122.85799 Sonoma
38.61309	-122.86345 Sonoma
38.60511	-122.86306 Sonoma
38.61823	-122.86415 Sonoma
38.62655	-122.87666 Sonoma
38.61401	-122.86968 Sonoma
38.64074	-122.87985 Sonoma
38.627958	-122.869144 Sonoma
38.613207	-122.863305 Sonoma
38.971528	123.105056 Mendocino
38.97135	-123.11594 Mendocino
38.97213	-123.10339 Mendocino
41.506868	122.380272 Siskiyou
41.513583	122.382194 Siskiyou
41.51629	-122.3701 Siskiyou
41.51629	122.3701 Siskiyou
41.5551	-122.38035 Siskiyou
41.55019	-122.38349 Siskiyou
41.55	122.4 Siskiyou
41.558889	122.525556 Siskiyou
41.582778	122.456111 Siskiyou
41.523314	-122.375769 Siskiyou
41.506623	-122.381502 Siskiyou
41.506623	-122.381502 Siskiyou
41.506623	-122.381502 Siskiyou
41.549296	-122.381116 Siskiyou
41.51917	-122.37604 Siskiyou
41.505064	-122.387561 Siskiyou
41.58889	-122.525558 Siskiyou
41.523314	-122.375769 Siskiyou
41.804167	-122.594444 Siskiyou
40.640139	-124.226722 Humboldt

1

back-up at property line clean-out
Small blockage downstream from cleanout
private property lateral cleanout
private property. broken lateral, a new wye needed to be installed at the property line
Sewage escaped a property line cleanout, due to mainline blockage
Overflowing propertyline cleanout about .5 gallons per minute. flowed into gutter where it was contained and recovered
small spill from manhole lid
Mainline blockage was cleared
Manhole in the middle of Piper street. Sewage contained to the curb and gutter
small overflow from manhole in middle of the street
From private lateral clean-out
Sewage spilled from a propertyline cleanout
Sewer blockage and spill from sewer main
Sewer main manhole in intersection
Broken cap of sewer line in an underground space at the intersection named above
Gravity main spill from manhole at street intersection

Ten gallons of sewage discharged from a propertyline cleanout of 742 Johnson Street Healdsburg. The sewage spilled
Spill occurred at property line cleanout at 1414 lupine
Propertyline cleanout leaked sewage at an estimated 0.5 gallons for 21.5 hours. into the gutter then to a storm drain. City
Sewage had discharged from the manhole in the intersection on to a paved street. Most of the sewage was contained to
Sewage had intermittently spilled from the propertyline cleanout for two days. The homeowner stated that he saw a dry sta
Sewage spilled from a propertyline cleanout located at 417 University Street. The sewage traveled across the sidewalk a
Small amount of standing water around the manhole on the flat asphalt street. The water was contained to a very small a
Mainline blockage caused 10 gallons of sewage to spill from the propertyline cleanout located at 718 Brown Street. The
A ball of fibrous rags and a stick created a blockage in the City of Healdsburg maintained sewer mainline. This blockag
Sewage discharged from a private property cleanout located at 144 Piper Street. The blockage was caused by a blockag
City staff members were performing potable water main flushing and discharging the potable water into a sanitary sewer

lift station
Intersection of hwy 101 & hwy 175, NE corner
Hwy 175 lift pump station
Golf Course sand trap and green
Sewer lift station B-105
Pump station B100 Manhole
At edge of driveway at property corner 6 lateral C/O

Manhole at rear property line 13916 Sandy Ln.
Emergency ponds on eastern side between Pond#1 and Pond #2 Lake Shastina sewer ponds
Manhole in center of street
10x10 area around sewer sump
Sewer Manhole outside of station
Sewer Station B 110
Sewer Station B 110

Manhole nearby sewer station
Sewer Station B100 manhole.
Sewer Sump Overflow right at station Location.

Clean out of 5126 Lake Shastina Dr In concrete side walk.
Inside Lift Station B116 Grounds. Spill was around Wet well Lid.
Final manhole in horse field before wastewater plant overflowed into stormwater system

on to city maintained sidewalk and gutter

' crews responded and installed dirt dam
a low spot in the street. There was a por
in on the sidewalk on 6/25/2012 at 5:00
nd into the gutter. The sewage traveled
area. no runoff

sewage was contained to the curb and
e caused the sewage to discharged from
je in the City of Healdsburg's mainline s
manhole. The flushing overwhelmed a

1
1

Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Building or structure
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Manhole
Lateral Clean Out (Private)
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole;Pump station
Pump station
Force main or pressure sewer
Manhole
Gravity sewer
Other sewer system structure
Manhole
Other (specify)
Manhole
Pump station
Manhole
Pump station
Pump station
Pump station
Manhole
Building or structure
Pump station
Manhole
Other (specify)
Pump station
Gravity sewer

lateral clean-out

small sewer spill at clean out
cleanout

Gravity sewer

A total of 5 to 10 gallons was spilled from a manhole into the nearby curb and gutter. All the sewage was contained to the small overflow from manhole in middle of the street

Sewage spilled from a property line cleanout. Contained to the curb and gutter

Sewer gravity main clean out

Ten gallons of sewage discharged from a propertyline cleanout of 742 Johnson Street Healdsburg. The sewage spilled spill occurred at propertyline cleanout

Home owners did not notify the city of the blocked sewer lateral on the day that it occurred. The sewage from this lateral s First City staff member on scene contained the sewage to the street area by making a dam. Second unit on scene was th Sewage had intermittently discharged from this propertyline cleanout on to the sidewalk and into the gutter. The sewage trav The sewage was contained by the first city staff member on scene by building a earthen dam to stop the travel of the se Small amount of standing water around the manhole on the asphalt street. There was no ongoing flow just standing water Mainline blockage casued 10 gallons of sewage to spill from the propertyline lateral cleanout located at 718 Brown Stre Sewage discharge from a private property cleanout and then entered a storm drain box then traveled to and discharged i Sewage discharged from a private property cleanout loacted at 144 Piper Street. The blockage was caused by a blockag City staff members were performing potable water main flushing and discharging the potable water into a sanitary sewer

At base of dike on western slope of pond #2 at sewer ponds for Lake Shastina CSD

dike

Building lateral cleanout

General Manager noticed abnormally low flows at treatment plant.

Other paved surface
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Other paved surface
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Other paved surface
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Surface water
Street/curb and gutter
Other paved surface
Unpaved surface
Street/curb and gutter
Unpaved surface
Separate storm drain;Street/curb and gutter;Surface water
Unpaved surface
Other (specify below)
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Surface water
Street/curb and gutter
Unpaved surface
Separate storm drain
Separate Storm Drain
Other (specify below)
Unpaved surface
Unpaved surface
Other (specify below)
Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface
Other (specify below)
Unpaved surface
Unpaved surface
Street/curb and gutter
Unpaved surface
Street/curb and gutter;Unpaved surface
Other (specify below)
Other (specify below)
Unpaved surface
Unpaved surface
Street/curb and gutter
Other (specify below)
Street/curb and gutter
Other (specify below)
Unpaved surface
Surface water

0.5 gallons returned to cleared sewer line.

Contained to curb and gutter. Blockage cleared, affected area washed down and all contaminants were recovered with a vacuum truck. Sewage was contained, sewerline was cleared, area was cleaned with water then vacuumed up. all waters were sent to the City of Healdsburg. The blockage was cleared with a hydrojetter. wastewater and cleanup water was recovered and disposed of at the City of Healdsburg. Total flow was 5-10 gallons of sewage overflowed from a manhole in the middle of Piper Street. The sewage was contained. City staff members cleaned sewer main pipe with high pressure jetter. The sewage was cleaned up. A video inspection was performed.

After the blockage was cleared. The spilled sewage was cleaned up and transported to the wastewater treatment plant for final disposal.

Recovered sewage and cleanup water was transported to the City of Healdsburg Water Reclamation Facility for final disposal. The propertyline cleanout is located on the private side of the sidewalk. This cleanout is located in the dirt. All sewage from the cleanout to the storm drain pipe that was standing in the pipe was recovered and the area was flushed. After the grease blockage was cleared. City staff members used the Vac-Con to recover all the sewage that had been displaced. On arrival, city staff members identified completely dried sewer residue on the sidewalk and into the gutterpan. The storm drain was cleaned. The sewage was contained by the first city staff member on scene by building a earthen dam to stop the travel of the sewage. Small amount of standing water around the manhole on the asphalt street. City of Healdsburg Public Works responded to this call. Staff used the jetter/ vacuum truck to clear the blockage and to vacuum the sewage. The sewage had traveled across a large fairly flat parking lot. The parking lot was made of partial pavement and partial dirt. The spill was contained to the paved surface of the street and gutter and nearby storm drain collection box. The sewage was cleaned up. The water percolated into the soil. no clean up was feasible.

Containment ditch next to lift station designed to hold spills and prevent them from spreading.
Dry ditch

Run out onto golf course green and sand trap

All of spill was contained on sewer pond property behind emergency dike that had already been constructed prior to spill.

Final destination of spill returned to sewer pond property and settled in a low depression

Sand Trap on 13th hole
Sand Trap 13th hole on golf course

Spill leaked outside of sump onto native ground.

Concrete side walk/patio
Gravel and concrete area around wet well hatch
Stormwater drains (along with WWTP effluent) into wetland area/holding pond that seasonally discharges to Eel River.

2/5/2010 7:45	2/5/2010 8:55	3/5/2010 7:55	3/5/2010 8:30
2/19/2010 4:20	2/19/2010 4:59	2/19/2010 4:30	2/19/2010 4:50
2/25/2010 12:50	2/25/2010 1:10	2/25/2010 1:10	2/25/2010 1:30
3/12/2010 12:30	3/12/2010 14:20	3/12/2010 12:45	3/12/2010 0:00
3/23/2010 8:22	3/23/2010 10:37	3/23/2010 8:35	3/23/2010 9:00
4/2/2010 17:00	4/2/2010 17:10	4/2/2010 17:30	4/2/2010 18:15
9/10/2010 12:00	9/10/2010 13:00	9/10/2010 13:10	9/10/2010 13:30
12/6/2010 9:16	12/6/2010 9:25	12/6/2010 9:25	12/6/2010 11:15
2/22/2011 9:00	2/22/2011 9:00	2/22/2011 9:20	2/22/2011 9:30
4/18/2011 10:22	4/18/2011 10:22	4/18/2011 10:40	4/18/2011 10:45
5/13/2011 8:10	5/13/2011 8:30	5/13/2011 8:50	5/13/2011 0:00
6/11/2011 0:00	6/13/2011 8:00	6/13/2011 9:00	6/11/2011 0:00
7/26/2011 9:36	7/26/2011 9:36	7/26/2011 9:50	7/26/2011 10:05
11/3/2011 11:00	11/3/2011 11:00	11/3/2011 11:00	11/3/2011 11:20
11/20/2011 17:00	11/20/2011 17:00	11/20/2011 17:15	11/20/2011 19:15
11/25/2011 12:00	12/8/2011 12:00	12/8/2011 9:00	12/8/2011 13:00
12/13/2011 9:20	12/13/2011 9:25	12/13/2011 9:35	12/13/2011 9:40
12/16/2011 14:00	12/16/2011 14:15	12/16/2011 14:15	12/16/2011 15:00
12/19/2011 9:35	12/19/2011 9:35	12/19/2011 9:35	12/19/2011 9:40
3/8/2012 8:55	3/8/2012 9:11	3/8/2012 9:35	3/8/2012 0:00
3/14/2012 15:25	3/14/2012 15:25	3/14/2012 15:35	3/14/2012 16:10
5/13/2012 15:00	5/14/2012 12:05	5/14/2012 12:17	5/14/2012 12:34
6/12/2012 12:44	6/12/2012 12:44	6/12/2012 12:50	6/12/2012 13:10
6/25/2012 17:00	6/27/2012 11:31	6/27/2012 11:40	6/27/2012 12:40
7/20/2012 14:40	7/20/2012 14:40	7/20/2012 14:50	7/20/2012 16:10
2/4/2013 20:22	2/4/2013 20:22	2/4/2013 20:30	2/4/2013 21:30
2/13/2013 9:00	2/13/2013 9:26	2/13/2013 9:35	2/13/2013 10:30
5/28/2013 9:13	5/28/2013 10:02	5/28/2013 10:13	5/28/2013 10:35
5/24/2013 11:07	5/24/2013 11:12	5/24/2013 11:30	5/24/2013 12:15
5/20/2013 10:22	5/20/2013 10:22	5/20/2013 10:22	5/20/2013 10:23
8/8/2013 15:33	8/8/2013 15:34	8/8/2013 15:41	8/8/2013 15:56
10/5/2013 9:10	10/5/2013 9:31	10/5/2013 10:05	10/5/2013 10:17
6/17/2008 11:30	6/17/2008 12:00	6/17/2008 12:00	6/17/2008 12:08
9/28/2009 8:50	9/28/2009 9:00	9/28/2009 9:30	9/28/2009 12:30
7/15/2010 13:00	7/15/2010 13:30	7/15/2010 13:45	7/15/2010 13:45
1/20/2007 10:00	1/20/2007 10:30	1/20/2007 11:00	1/20/2007 11:00
8/31/2007 8:31	8/31/2007 8:31	8/31/2007 8:31	8/31/2007 8:31
10/5/2007 10:50	10/5/2007 10:55	10/5/2007 11:00	10/5/2007 11:02
10/17/2007 9:40	10/17/2007 9:55	10/17/2007 10:00	10/17/2007 10:15
11/18/2007 11:18	11/19/2007 11:19	11/19/2007 11:19	11/21/2007 11:21
12/26/2007 7:30	12/26/2007 8:00	12/26/2007 8:05	12/26/2007 8:05
2/1/2008 13:00	2/1/2008 13:00	2/1/2008 13:00	2/1/2008 13:20
2/5/2008 22:00	2/5/2008 22:35	2/5/2008 1:00	2/5/2008 1:00
2/5/2008 9:00	2/5/2008 9:15	2/5/2008 9:25	2/5/2008 9:26
8/30/2008 22:00	8/30/2008 22:30	8/30/2008 22:40	8/30/2008 22:50
9/1/2008 11:00	9/1/2008 11:05	9/1/2008 11:10	9/1/2008 11:15
9/2/2008 8:05	9/2/2008 8:05	9/2/2008 8:10	9/2/2008 8:10
9/7/2008 12:10	9/7/2008 12:15	9/7/2008 12:17	9/7/2008 12:20
12/4/2008 11:30	12/4/2008 12:15	12/4/2008 12:20	12/4/2008 12:30
4/28/2011 18:00	4/28/2011 18:05	4/28/2011 18:15	4/28/2011 18:45
8/17/2011 10:05	8/17/2011 10:27	8/17/2011 10:34	8/17/2011 10:38
6/28/2012 7:50	6/28/2012 7:55	6/28/2012 8:05	6/28/2012 8:15
11/9/2012 1:00	11/9/2012 1:05	11/9/2012 1:15	11/9/2012 1:20
11/25/2012 1:43	11/25/2012 3:31	11/25/2012 1:50	11/25/2012 1:55
6/17/2009 13:00	6/19/2009 20:30	6/19/2009 20:30	6/19/2009 22:10

Root intrusion
Root intrusion
Debris-General
Debris-Rags
Pipe structural problem/failure
Root intrusion
Debris-General
Root intrusion
Debris-Rags
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Debris-General
Debris-General
Pipe structural problem/failure
Debris-General
Pipe structural problem/failure
Pipe structural problem/failure
Root intrusion
Pipe structural problem/failure
Root intrusion
Grease deposition (FOG)
Root intrusion
Debris-General
Debris-General
Debris-General
Debris-Rags
Other (specify below)
Operator error
Debris-General
Debris-General
Other (specify below)
Debris-General
Pump station failure
Pump station failure
Pump station failure
Operator error
Root intrusion
Other (specify below)
Pump station failure
Other (specify below)
Vandalism
Vandalism
Pump station failure
Pump station failure
Pump station failure
Pump station failure
Pump station failure
Other (specify below)
Debris-Rags
Pump station failure
Pump station failure
Pump station failure
Debris-General

failed sewer lateral / wye connection

Rag blockage in mainline

Video inspection confirmed roots and grease in sewer mainline. This sewer main has now been added to our 365 day clean video inspection shows the blockage was from roots and grease

A followup video inspection of the sewer pipe shows roots and offset joints to be the problem

Crew was flushing sewer main, discovered leaks in main, stopped flushing, cleaned up and repaired leaks

The lateral blockage was caused by pipe failure and debris in the pipe. A sewer auger was used to clear the debris. It was

Root intrusion in the lower lateral of the sewer pipe. The inspection of the mainline sewer was clear and operating correctly

Small amount of standing water around the manhole on the asphalt street

City of Healdsburg Public Works responded to this call and used the jetter/ vacuum truck to clear the blockage. Staff vacated. During the jetting clearing process the blockage was identified as a large fibrous ragball including a stick that was obstructed. Roots and Grease were found to cause the blockage

City staff members were performing potable water main flushing and discharging the potable water into a sanitary sewer

power surge tripped breaker.

Ground squirrel dug hole through dike

earthen dike gave way

Electric Company had a fuse failure in their transformer.

B100 liftstation primary floats failed. (Appears to be a manufacturing defect in floats) All floats replaced

Pump control relay failed.

Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Other (specify below)
Main
Main
Main
Main
Main
Main
Main
Lower Lateral
Lower Lateral
Main
Main
Main
Main
Main
Main
Main
Main
Lower Lateral
Lower Lateral
Main
Lower Lateral
Main
Main
Main
Main
Main
Other (specify below)
Main
Gravity Mainline
Other (specify below)
Main
Main

Main

Other (specify below)

Other (specify below)

Main
Main
Other (specify below)
Main
Other (specify below)
Other (specify below)
Main

The sewer lateral failed at the wye connection. City staff replaced the broken wye.

Stoppage was in lower lateral or mainline. we cleaned both of them to make sure

Mainline blockage caused sewage to flow from propertyline cleanout into curb and gutter. All sewage was contained to curb. The first city staff member on scene reported that a maximum of one gallon of sewage had leaked onto the dirt., before the roots in lower lateral caused the blockage in pipe.

Fibrous rag had been discharged somewhere up stream of the blockage from a residents or businesses. The rag ball at the manhole. The grease came from a nearby food business. City staff randomly inspected the food establishment after the blockage. Manhole being overwhelmed due to potable water line flushing.

pump stopped because of power outage caused by power surge.

1 pump motor overheated the other motor had a mechanical problem

Sewer Station B 110

Sewer Sump for Lift station.

Pump station motor failed
Pump control relay failed

4 clay
4 Clay
4 Clay
4 Clay
4 SDR-35
6

4

rb and gutter
he pipe was cleared. The se

6
4
6
4

rd stick may have jammed in
a week later. The business c

6

No
No

4 pvc
6 A/C

0

8 CIP

50
30
30
50
30
50

50

32

30

50

Roots and rag blockages were removed

WE cleaned the sewer lateral and mainline, wash affected area, recovered all washdown water and sewage with a vacuum

City personnel responded, cleared blockage, cleaned affected area. removed all contaminants and hauled to the treatment
City staff cleared the blockage with a high pressure jetter. washed the affected area with water, cleaned up the sewage
City staff members cleaned sewer main pipe with high pressures jetter. The overflowed sewage was cleaned up. A video

City staff responded to the blockage, used an auger to clear the blockage in the sewer lateral. Used the city jetter/vac truck

Crew responded, placed rubber plug in pipe to stop flow until contractor repaired. Crew sampled site for representative a

Ten gallons of sewage discharged from a propertyline cleanout of 742 Johnson Street Healdsburg. The sewage spilled
The city staff used an auger to clear the blockage, it was determined by CCTV that there was additional problems with the
Blockage was removed with an Auger. The sewage in the gutter and storm drain box and the storm drain pipe were clean
first City staff member on scene contained the sewage to the street area by making a dam. Second unit on scene was the
First unit on scene identified the dry sewage on the sidewalk but the sewer lateral cleanout pipe was full of sewage. City staff
The sewage was contained by the first city staff member on scene by building an earthen dam to stop the travel of the sewage
Healdsburg Public Works staff responded to this call. The mainline blockage was cleared using the Jetter/Vacuum truck. The
City of Healdsburg Public Works responded to this call and used the jetter/ vacuum truck to clear the blockage. Staff vacuumed
First City of Healdsburg Public Works employees on scene made the phone call for assistance and requested additional
City staff responded and deployed curbs to contain the sewage,. Staff used the high pressure jetter truck to clear the blockage
clean up of the discharged water was unfeasible

Jetter line clear with vacuum truck. Vacuumed up spill with vacuum truck.

Covered spill area with bleach to mitigate.

12/8/2011 14:00

5/14/2012 16:00

5/28/2013 16:30

8/8/2013 17:31

1/22/2007 16:30

10/5/2007 14:00

12/11/2007 12:11

2/1/2008 16:00

6/20/2009 15:00

Plan rehabilitation or replacement of sewer; Repaired sewer

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Informed the home owner on the importance of early notification for any other other problems Added this sewer lateral to

This blockage was caused by users of the sewer collection system. A letter will be sent to the upstream residents inform

Sewer main lines upstream and downstream of blockage were cleaned thoroughly

Additional alarms being considered to mitigate human and mechanical error.

Reprimand to employee who did not place HOA switch in off position.

whenever emergency pumping is done at least one employee is present

Replacement is contingent on grant funding.

No

No

Yes

No

No

No

No

No

Yes

Not applicable

no impact

N/A

No impact to receiving water

No impact

No impact

No impact

No impact to receiving waters

no impact

No impact

No visual impact to Foss Creek

No impact all the sewage was contained and recovered

No impact to receiving water. Water was contained to storm drain collection box

No impact to receiving waters. No sewage entered the storm drain system.

No impact, all the water was contained to the street

No impact, all water was contained and recovered

Initial inspection during the spill indicated a very light turbidity (cloudiness) to Foss Creek. The turbidity was not visible

No impact to receiving water

no impact to receiving water

n/a

N/A

NA

n/a

tbd

No

No

No

No

No

No

No

No

No

No

no impact

N/A

No impact to beaches

No impact

No impact

No impact

No impact to beaches

no impact

No impact

No impact all the sewage was contained and recovered

No impact to beaches. Water was contained to the storm drain collection box

No impact to beaches. No sewage entered the waterway

No impact , all the water was contained to the street

No impact , all water was contained and recovered

No impact to beaches

No impact to beaches

no impact to beaches

na (golf green closed)

NA

N/A

n/a

NA

no impact

N/A

No impact to surface waters

No impact

no impact

No impact

No Impact

No impact to surface waters

None

None

Foss Creek

None

None

None

no impact

No impact

Foss Creek. Lab testing was done by Alpha Labs. The results of these tests are available for our review

No impact all the sewage was contained and recovered

no impact to surface waters . Water was contained to the storm drain collection box

No impact to surface waters as it did not enter any storm drain or waterway

No impact , all the water was contained to the street

No impact , all water was contained and recovered

Foss Creek, Healsburg

No impact to surface waters

no impact to surface water

Foss Creek

na

NA

N/A

n/a

N/A

None

No surface waters were impacted

None

NA

Dissolved oxygen;Biological indicator(s) - specify below

Biological indicator(s) - specify below

Biological indicator(s) - specify below

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken

BOD5, Total Coliform, TSS, pH, Temp

Total Coliform, e Coli, Ammonia, COD, Total Phosphate

pH, DO, TSS, Temp, BOD, TSS

water sample was taken at sewer pond test well after leak was repaired results showed no fecal coliforms

No laboratories available for BOD/TSS testing on weekend. Pond is eutrophic; D.O. is a useless measure. Samples to b

None of the above

County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

No water quality samples taken

None of the above

None of the above

Regional Water Quality Control Board

Not applicable to this spill

Regional Water Quality Control Board

Brian Diamantini sent the results to the Sonoma County Enviromental Health office via fax. A copy of the lab results will

be attached to the monthly ESMR May 2013 report for the City of Healdsburg Water Reclamation Facility. A SSO docu

Measurements of gutter pan and drainage channel lengths and depths

Used measurements made on scene of ponded spillage, in gutter, stormpipe, and storm drain

91041	3/5/2010 8:55
91456	2/19/2010 4:59
101394	2/25/2010 2:40
101746	3/12/2010 14:28
101953	3/23/2010 10:28
102157	4/2/2010 19:15
105463	9/10/2010 16:00
107310	12/6/2010 12:00
111073	2/22/2011 10:17
112439	4/18/2011 13:00
112957	5/13/2011 9:47
114219	7/14/2011 15:30
114412	7/26/2011 13:10
116565	11/3/2011 12:45
116908	11/20/2011 20:30
117271	12/8/2011 12:20
117353	12/13/2011 10:05
117429	12/16/2011 14:46
117474	12/19/2011 10:15
121328	3/8/2012 9:51
121497	3/14/2012 15:55
122875	5/14/2012 13:42
123421	6/12/2012 14:33
123745	6/27/2012 13:05
124229	7/20/2012 16:00
130752	2/4/2013 22:00
130950	2/13/2013 10:26
133216	5/28/2013 12:10
133160	5/24/2013 12:30
130950	5/20/2013 10:26
134904	8/8/2013 17:31

96582	9/28/2009 11:10
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112671	4/29/2011 9:44
114971	8/22/2011 9:21
123767	6/28/2012 11:30

94496	6/19/2009 21:25
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Jarrold Dericco
Rob Scates, Wastewater Utility Foreman

7077992623
7074734495

1SSO10042	Active	742019 Markus Drumm	Certified
1SSO10042	Active	756825 Markus Drumm	Certified
1SSO10042	Active	761704 Markus Drumm	Certified
1SSO10042	Active	795300 Marcus Drumm	Certified
1SSO10043	Active	755632 Christopher Drop	Certified
1SSO10043	Active	782416 Christopher Drop	Certified
1SSO10044	Active	726861 Gregory Orsini	Certified
1SSO10044	Active	734003 Gregory Orsini	Certified
1SSO10044	Active	748867 Greg Orsini	Certified
1SSO10044	Active	759141 Norman Shopay	Certified
1SSO10045	Active	724880 Mike Kelley	Certified
1SSO10045	Active	745535 Mike Kelley	Certified
1SSO10045	Active	746760 Michael Kelley	Certified
1SSO10048	Active	708549 Chris Tyhurst	Certified
1SSO10048	Active	723357 Frank Hoag	Certified
1SSO10052	Active	719314	Submit Draft
1SSO10052	Active	745921 Robert Clark	Certified
1SSO10052	Active	794509 Robert Clark	Certified
1SSO10053	Active	708826 William J. Marshall	Certified
1SSO10053	Active	711459 William Marshall	Certified
1SSO10053	Active	726172	Ready To Certify
1SSO10053	Active	728365	Ready To Certify
1SSO10053	Active	728368 Mr. William J. Marshall, P. O.	Certified
1SSO10053	Active	778601 brad nierman	Certified
1SSO10053	Active	778639 Brad Nierman	Certified
1SSO10055	Active	740761 Kenneth Dean	Certified
1SSO10062	Active	747227 M Conachy Sr	Certified
1SSO10062	Active	766092 M Conachy Sr	Certified
1SSO10062	Active	768006 M Conachy Sr	Certified
1SSO10063	Active	743699 M Conachy	Certified
1SSO10064	Active	653748 M Conachy Sr	Certified
1SSO10064	Active	654438 M Conachy Sr	Certified
1SSO10064	Active	737359 MConachy	Certified
1SSO10066	Active	711113 Randy H. Burke	Certified
1SSO10066	Active	727778 Randy H. Burke	Certified
1SSO10067	Active	655736 M. Conachy	Certified
1SSO10067	Active	731001 M Conachy	Certified
1SSO10067	Active	759435 M Conachy Sr	Certified
1SSO10067	Active	788554 M Conachy Sr	Certified
1SSO10067	Active	788560 M Conachy Sr	Certified
1SSO10067	Active	794538 Erik Brown	Certified
1SSO10067	Active	799224 Erik Brown	Certified
1SSO10068	Active	731808 John M. Luce	Certified
1SSO10069	Active	653603 Craig Dawson	Certified
1SSO10069	Active	730337 Craig Dawson	Certified
1SSO10069	Active	738709 Craig Dawson	Certified
1SSO10069	Active	751767 Craig Dawson	Certified
1SSO10069	Active	790700 Craig Dawson	Certified
1SSO10069	Active	798197 Craig Dawson	Certified
1SSO10070	Active	716492 Jim Montenegro	Certified
1SSO10070	Active	735433 Jim Montenegro	Certified
1SSO10070	Active	748386 Jim Montenegro	Certified
1SSO10070	Active	757480 Jim Montenegro	Certified
1SSO10074	Active	651197 Dan Hunt	Certified
1SSO10074	Active	710775 Dan Hunt	Certified

General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
Operations Director
Operations Director
Operations Director
General Manager
Dist. Superintendent
Superintendent
Superintendent
Plant Supervisor
Public Works Supervisor

Operations Maintenance Superintendent
Operations Superintendent
Waste Water Treatment Plant Supervisor
Plant Operator

W.W.T.P. Supervisor
plant operator
Plant Supervisor
operations Mnager
Lead maint. Wk
Lead Maint Wk
Lead Maint. Worker
Lead maint Wk
Lead Maint Wk
Lead maint. Wk
Lead Maint. Work
Director of Works
Director of Works
Lead Maintenance Worker
Lead Maint. Work
Lead Maint. Wk
Lead Maint Wk
Lead Maint Wk
Coordinator
Coordinator
Director of Public Works
Director of EHS
Director Energy/ EH&S
Director of Energy & EH&S
Director EH&S
Director of EH&S
Director of EH&S
Utility System Superintendent
Utility System Superintendent
Utility System Superintendent
Utility System Superintendent
W/S Maintenance Supervisor
W/S Maintenance Supervisor

Loleta, CA		559781
Loleta, CA		560635
Loleta, CA		732185
Loleta, CA		147098
Manila CSD		437261
1901 Park Street Arcata , CA. 95521		473908
	10:55	524624
McKinleyville CSD		920395
	11:55	836409
	15:20	688881
Mendocino, CA		285052
Mendocino, CA		568396
Mendocino, CA		366177
City of Montague		867452
City of Montague		547447
NMWD Office		393986
Novato		520188
4:40pm		671906
City of Point Arena WWTP		701462
City of Point Arena		200001
Point arena Ca		742044
Point arena CA		113407
	10:18	109662
SCWA		890791
SCWA		578546
SCWA		836855
	8/25/2009	247665
SCWA		411814
	1/31/3011	565481
	6/4/2009	821584
The Sea Ranch Water Company		235655
The Sea Ranch Water Company		364353
	8/14/2007	265828
	1/28/2009	435370
SCWA		899580
SCWA		767720
SCWA		248279
Santa Rosa		492308
Santa Rosa		899962
	11:20 AM	173660
SSU		461062
SSU		456654
Sonomsa State University		239277
Sonoma State		683886
SSU		686214
Sonoma State		978211
City of Santa Rosa		304381
City of Santa Rosa		567725
City of Santa Rosa		584212
City of Santa Rosa		477018
	13:56	908624
	8:49	370323

29-Jul-09		29-Jul-09	7/29/2009
15-Sep-10	9/15/2010	15-Sep-10	9/15/2010
24-Jan-11	1/24/2011	24-Jan-11	1/24/2011
10-Jun-13	6/10/2013	10-Jun-13	6/10/2013
30-Jul-10	7/30/2010	19-Aug-10	8/19/2010
25-Jun-12	6/25/2012	25-Jun-12	6/25/2012
25-Sep-08		25-Sep-08	9/25/2008
24-Feb-09		24-Feb-09	2/24/2009
27-Jan-10		27-Jan-10	1/27/2010
6-Dec-10	12/6/2010	6-Dec-10	12/6/2010
19-Aug-08		19-Aug-08	8/28/2008
10-Oct-09		31-Jan-11	1/31/2011
13-Nov-09		2-Dec-10	12/2/2010
30-Nov-07		14-Dec-07	12/14/2007
24-Jul-08		24-Jul-08	7/24/2008
11-Jun-08			
21-Oct-09		27-Oct-09	10/27/2009
28-May-13	5/28/2013	1-Jul-13	7/1/2013
6-Dec-07		6-Dec-07	12/6/2007
21-Jan-08		29-Jan-08	1/29/2008
11-Sep-08			
22-Oct-08			
22-Oct-08		22-Oct-08	10/22/2008
13-Mar-12	3/13/2012	13-Mar-12	3/13/2012
14-Mar-12	3/14/2012	14-Mar-12	3/14/2012
7-Jul-09		7-Jul-09	7/7/2009
1-Dec-09		1-Dec-09	12/1/2009
3-May-11	5/3/2011	3-May-11	5/3/2011
30-Jun-11	6/30/2011	30-Jun-11	6/30/2011
25-Aug-09		25-Aug-09	8/25/2009
9-Jul-07		10-Jul-07	1/31/2011
20-Jul-07		25-Jul-07	1/31/2011
13-May-09		4-Jun-09	6/4/2009
11-Jan-08		3-Dec-10	12/3/2010
13-Oct-08		3-Dec-10	12/3/2010
14-Aug-07		14-Aug-07	8/14/2007
23-Dec-08		23-Dec-08	1/28/2009
16-Dec-10	12/16/2010	16-Dec-10	12/16/2010
29-Nov-12	11/29/2012	29-Nov-12	11/29/2012
29-Nov-12	11/29/2012	29-Nov-12	11/29/2012
29-May-13	5/29/2013	29-May-13	5/29/2013
30-Sep-13	9/30/2013	30-Sep-13	9/30/2013
13-Jan-09		14-Jan-09	1/14/2009
5-Jul-07		5-Jul-07	7/5/2007
9-Dec-08		9-Dec-08	12/9/2008
9-Jun-09		9-Jun-09	6/9/2009
19-Apr-10		19-Apr-10	4/19/2010
23-Jan-13	1/23/2013	15-Feb-13	2/15/2013
26-Aug-13	8/26/2013	26-Aug-13	8/26/2013
24-Apr-08		24-Apr-08	11/6/2009
25-Mar-09		25-Mar-09	3/25/2009
16-Jan-10		19-Jan-10	1/19/2010
11-Oct-10	10/11/2010	13-Oct-10	10/13/2010
31-May-07		26-Jun-07	4/11/2011
7-Jan-08		7-Jan-08	12/3/2010

Category 3	400	0
Category 3	300	0
Category 1	9000	0
Category 3	300	0
Category 3	15	10
Category 3	500	500
Category 3	250	250
Category 3	200	0
Category 3	6	6
Category 2	2400	3
Category 3	480	0
Category 3	25	0
Category 3	100	0
Category 2	2000	0
Category 3	250	50
Category 3	250	100
Category 3	250	0
Category 3	300	0
Category 3	1	3
Category 1	2000	0
Category 3	20	20
Category 3	5	5
Category 3	5	5
Category 3	4	0
Category 1	400	0
Category 3	175	170
Category 3	300	0
Category 3	150	0
Category 1	60	10
Category 3	200	100
Category 1	1	0
Category 1	315	100
Category 3	5	0
Category 3	12	12
Category 3	15	15
Category 3	74	0
Category 3	15	0
Category 3	15	0
Category 1	84	0
Category 1	420	0
Category 1	1200	1000
Category 3	360	60
Category 3	100	0
Category 3	10	
Category 3	10	5
Category 3	3	3
Category 3	10	10
Category 2	22784	22784
Category 3	50	50
Category 3	300	300
Category 3	15	15
Category 2	7000	7000
Category 3	25	25
Category 1	125	60
Category 1	50	0

0 No	No
0 No	No
9000 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 Yes	No
0 No	No
0 No	No
No	No
2000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
400 Yes	Yes
0 No	No
0 No	No
0 No	No
50 Yes	Yes
0 No	No
1 Yes	No
215 Yes	Yes
0 No	No
0 No	No
0 Yes	Yes
0 No	No
0 No	No
0 No	No
84 Yes	No
420 Yes	No
200 Yes	Yes
0 No	No
0 No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	No
65 No	Yes
50 Yes	Yes

[illegible]

Manhole 73.5
MH073.5
MH073.5
Manhole 1360
Manila Park Restroom
Lupin Ave
Kelly Ave. Sewer Right of Way
Gwin to Holly Sewer ROW
2346 Sutter Rd.
Salmon Sewer Right of Way
In front of 44300 Little Lake Rd., Mendocino under storm drain
manhole 24B in front of 44740 Pine Street
From manhole hr4a in front of 44700 Little Lake Road, Mendocino
East King Street
East King Street
Sewer Overflow in Marin county at Oceana Marin on Kailua Way, Manhole #45
Oceana Marin
220 Oceana Dr. Oceana Marin
180 School Street -Point Arena, California
125 Main Street, Point Arena, California 95468
240 Main Street
283 Lake Street, Point Arena, California 95468
283 Lake Street
manhole #4
manhole P4
Evergreen Lift Station
5352 Carriage Ln 11-30-09
2200 Airport Blvd 4/29/11
AWL 5240 Old redwood Hy
Hamilton Ln Easement 8-09
Occidental
3821 Bohemian Hwy
3777 Main St 2-12-09
Screech Owl
Sea Ranch North Wastewater Treatment and Disposal Facility
Watson Rd. Russian River
17785 Santa Rosa Av -12-22-08 changed to Reg 1 1/12/09
16654 Watson Rd 12-15-10
15220 Drake Rd
15297 Drake Rd
Mill Street
19010 Hidden Valley Rd.
Central Sewage Lift Station
Sonoma State University, Commons Building
Immediately South of Toast (food sales building)
Sonoma State University
Sonoma State University - Commons Kitchen
Sonoma State University
South side of Student Center
In front of 3660 Moorland Ave
160 Dutton Ave
2311 Dutton Ave
1859 Beachwood dr
555 Cypress
700 N. State St.

40.642222	-124.226111 Humboldt
40.31796	-124.18945 Humboldt
40.31796	-124.18945 Humboldt
40.642325	-124.226139 Humboldt
40.852088	-124.161907 Humboldt
40.851828	-124.164761 Humboldt
40.952692	124.122819 Humboldt
40.942894	124.0914 Humboldt
40.933964	-124.082944 Humboldt
40.930567	-124.111617 Humboldt
39.311389	123.786944 Mendocino
39.30785	-123.79412 Mendocino
39.31018	-123.794 Mendocino
41.72563	122.52479 Siskiyou
41.72563	122.52479 Siskiyou
38.256944	122.966944 Marin
38.257222	-122.968889 Marin
38.252919	-122.964914 Marin
38.900211	123.683558 Mendocino
38.910675	123.692383 Mendocino
38.00025	123.00019 Mendocino
38	123 Mendocino
0.000254	0.000193 Mendocino
38.915833	-123.699722 Mendocino
38.914167	-123.700278 Mendocino
40.121111	-123.808333 Humboldt
38.51252	-122.75217 Sonoma
38.51114	-122.80453 Sonoma
38.5107	-122.76263 Sonoma
38.7037	-122.89714 Sonoma
38.41246	-122.95053 Sonoma
38.409444	-122.948611 Sonoma
38.40902	-122.94846 Sonoma
38.752222	-123.511944 Sonoma
38.753361	123.511944 Sonoma
38.51899	-123.00114 Sonoma
38.49014	123.0172 Sonoma
38.51717	-123.00536 Sonoma
38.50887	-122.98289 Sonoma
38.50786	-122.984 Sonoma
38.50534	-122.99994 Sonoma
38.49734	-123.02134 Sonoma
40.032847	124.079083 Humboldt
38.341667	122.67 Sonoma
38.340403	122.675144 Sonoma
38.363333	-122.678333 Sonoma
38.341658	-122.673536 Sonoma
38.340044	-122.675695 Sonoma
38.338787	-122.675312 Sonoma
38.388756	-122.798333 Sonoma
38.435869	-122.727573 Sonoma
38.416122	-122.72366 Sonoma
38.418776	-122.720177 Sonoma
39.155386	-123.21555 Mendocino
39.15781	-123.20859 Mendocino

Manhole located in apartment parking area.

Adjacent to street at ground level

Sewer ROW aprox. 10 off paved road

sewer main broke under storm drain. 480 gallons of wastewater flowed into drainage down gradient from storm drain.
At the west end of Pine Street.

Spill from manhole hr4a located at the NE corner of the intersection of Hills Ranch Road and Little Lake Road. Manhole v

500 feet up the hillside behind the property at 46 Kailua Way.

Open field

100' beyond drive way in open field past 220 Oceana Dr.

Approximately one gallon of water was located on top of a shallow manhole.

Location South end of Point Arena on the east side of State Highway 1.

Manhole cover with water pouring from it., on a path between a laundry mat and a Outback Feed & Nursery Store.

The City was notified by a citizen, that water was seen by a manhole.

Wastewater surrounding a manhole.

Wetwell at lift station

Around PL CO of house pooled in yard

Flat, V-ditch

Ran out of MH 108-3; ran down Bohemian Hwy to DI and into Dutch Bill Creek

Evidence that overflow seeped out of Mh to curb

Sanitary Sewer Manhole M11-9

Spill occurred above creek, absorbed into ground with minor runoff into a drainage inlet with discharge into creek pool

Overflow seeped from Mh ran across street into DI which dumped into Russian River

14300 Mill Street. Manhole 41-1 at the intersection of Mill Street and Mill Court.

Side of road.

Central lift station below main sewer plant. Located on Northwest side of Lower Pacific Dr.

Sanitary sink pump in manhole immediately south of Toast building

An apartment cleanout was be snaked when some water pushed back out. It was a small amount and was stopped prior to floor drain in kitchen backed up. Roto rooter called and cleared line. Housekeeping cleaned floor and nothing left the bulk
The backup occurred in gravity sewer conveyance system and backed up into the basement of the Darwin Hall Science bu
Sewer manhole at the SouthEast corner of the new Student Center Construction.

Spill was from City force main in front of 3660 Moorland Ave. Into an earthen ditch

Spill contained in the parking lot

Sewer Manhole

was located in County right-of-way in front of

to reaching a drain inlet
drainage other than through the sewer line.
drainage (approximately 1.5 inches deep) ;

Gravity sewer
Gravity sewer
Manhole
Manhole
Building or structure
Force main or pressure sewer
Manhole
Manhole
Building or structure
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Pump station
Other (specify)
Manhole
Manhole
Other (specify)
Gravity sewer
Manhole
Manhole
Manhole
Other sewer system structure
Force main or pressure sewer
Other (specify)
Force main or pressure sewer
Manhole
Manhole
Gravity sewer;Manhole
Manhole
Pump station
Building or structure
Manhole
Gravity sewer
Gravity sewer
Building or structure
Manhole
Force main or pressure sewer
Manhole
Manhole
Manhole
Manhole
Gravity sewer

excaping out of pick hole

Sewer over flowed shower and was contained on tile floor in bathroom.

Man Hole 27 of the District Map.

Water was pouring from the pick-hole of a manhole cover. There was a slight trace of toilet paper and waste.

Property Line CO (PL-CO).

Seeping from Mh, no debris, held back by lid

Overflow seeped from ground from known force main location

Hose on transfer pump developed a tear in the fabric allowing secondary treated waste water to spray onto surrounding g

End of line CO

Overflow seeped from Mh ran across street into DI which dumped into Russian River

Coffee grounds and sink water

floor drain in kitchen backed up. Roto rooter called and cleared line. Housekeeping cleaned floor and nothing left the buik
Darwin Hall Science Building only
water come up from around manhole

Unpaved surface
Unpaved surface
Separate storm drain
Unpaved surface
Building or structure
Unpaved surface
Other (specify below)
Unpaved surface
Other (specify below)
Other (specify below)
Other (specify below)
Unpaved surface
Unpaved surface
Other paved surface
Unpaved surface
Beach
Unpaved surface
Unpaved surface
Other (specify below)
Beach
Other paved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Surface water
Street/curb and gutter;Unpaved surface
Unpaved surface
Unpaved surface
Separate storm drain;Street/curb and gutter;Surface water
Unpaved surface;Other (specify below)
Surface water
Separate storm drain;Surface water
Street/curb and gutter
Unpaved surface
Surface water
Unpaved surface
Unpaved surface
Unpaved surface
Surface water
Surface water
Separate storm drain
Unpaved surface
Unpaved surface
Building or structure
Unpaved surface
Other paved surface
Other (specify below)
Building or structure
Other (specify below)
Other (specify below)
Storm drain
Storm drain
Unpaved surface
Separate storm drain
Other paved surface;Surface water

grassy swale

bathroom floor

perked into ground/ grassy pasture

sewer main drained into ditch below storm drain

all clear fluids discharged from man hole leached into ground within 20' of manhole.

City of Point Arena Waste Reclamation Facility

N/A

Dirt road flowed into dirt V ditch

Area wet around Mh and in street in curb, no overflow was occurring when crew arrived, no standing water.

Surrounding ground around manhole frame and cover

No standing water. Wet area in street and dirt area

Lid held back debris, Overflow seeped from Mh ran across street into DI, DI pipe ran down steep bank which dumped into

Lid held back debris, Overflow seeped from Mh ran across street into DI, DI pipe ran down steep bank which dumped into

Side of road.

lawn area and pedestrian path. Was quickly cleaned up and did not reach any storm drains or other receptors.

back to the sewer

Darwin Hall Science Building, Block located, cleared and building floor drains drained majority back out. Belfor contacted

Black water that made it to Storm conveyance system only flowed a couple hundred feet. Downstream of the flow the line

Spill was contained in an earthen drainage ditch. 100% retrieval of sewage

Less than one gallon entered the Storm drain inlet.

Spill contained within 1 mile of storm drain pipe, spill never reached outfall (Roseland Creek).

6/28/2009 15:30	6/28/2009 15:50	6/28/2009 17:00	6/28/2009 18:30
8/25/2010 8:00	8/28/2010 12:20	8/28/2010 12:25	8/28/2010 10:00
1/18/2011 7:00	1/18/2011 10:11	1/18/2011 10:15	1/18/2011 11:20
5/23/2013 7:00	5/23/2013 8:18	5/23/2013 8:26	5/23/2013 9:10
7/29/2010 19:30	7/29/2010 19:30	7/29/2010 19:45	7/29/2010 19:50
6/25/2012 7:00	6/25/2012 8:00	6/25/2012 8:05	6/25/2012 9:03
8/9/2008 13:00	8/9/2008 13:20	8/9/2008 13:40	8/9/2008 14:00
1/6/2009 10:00	1/6/2009 10:00	1/6/2009 10:05	1/6/2009 10:25
12/18/2009 8:08	12/18/2009 8:10	12/18/2009 8:14	12/18/2009 8:25
12/4/2010 11:40	12/4/2010 11:40	12/4/2010 11:55	12/4/2010 15:40
8/15/2008 11:29	8/15/2008 12:29	8/15/2008 1:00	8/15/2008 1:29
10/10/2009 12:20	10/10/2009 13:00	10/10/2009 13:30	10/10/2009 14:00
11/13/2009 9:10	11/13/2009 12:30	11/13/2009 13:00	11/13/2009 13:45
11/28/2007 0:00	11/28/2007 8:00	11/28/2007 8:30	11/28/2007 10:30
7/24/2008 8:30	7/24/2008 9:15	7/24/2008 9:30	7/24/2008 9:45
2/18/2008 10:00	2/18/2008 13:00	2/18/2008 13:45	2/18/2008 7:00
10/13/2009 18:00	10/17/2009 12:00	10/17/2009 14:00	10/17/2009 19:25
5/26/2013 12:00	5/26/2013 12:15	5/26/2013 14:30	5/26/2013 17:00
10/1/2007 10:30	10/1/2007 11:00	10/1/2007 11:30	10/1/2007 12:45
1/18/2008 5:30	1/18/2008 8:30	1/18/2008 9:00	1/18/2008 9:30
8/13/2008 9:00	8/13/2008 9:30	8/13/2008 11:00	8/13/2008 12:00
10/12/2008 17:30	10/12/2008 18:15	10/12/2008 19:00	10/12/2008 19:15
10/12/2008 0:00	10/12/2008 18:15	10/12/2008 19:00	10/12/2008 19:15
12/17/2011 9:05	12/17/2011 9:10	12/17/2011 9:15	12/17/2011 9:30
4/21/2011 16:00	4/21/2011 18:00	4/21/2011 18:30	4/21/2011 19:00
6/13/2009 10:28	6/13/2009 10:28	6/13/2009 10:28	6/13/2009 10:47
11/30/2009 0:00	11/30/2009 7:00	11/30/2009 8:30	11/30/2009 9:15
4/29/2011 15:45	4/29/2011 15:45	4/29/2011 16:35	4/29/2011 17:00
6/29/2011 10:50	6/29/2011 10:50	6/29/2011 11:40	6/29/2011 11:50
8/24/2009 8:30	8/24/2009 8:30	8/24/2009 10:00	8/24/2009 10:00
7/5/2007 15:30	7/5/2007 15:30	7/5/2007 15:30	7/5/2007 16:55
7/19/2007 10:50	7/19/2007 10:50	7/19/2007 11:45	7/19/2007 11:48
5/12/2009 18:30	5/12/2009 18:30	5/12/2009 19:15	5/12/2009 19:15
1/10/2008 12:35	1/10/2008 12:35	1/10/2008 12:30	1/10/2008 13:00
10/12/2008 9:45	10/12/2008 11:45	10/12/2008 11:45	10/12/2008 11:46
8/9/2007 13:25	8/9/2007 13:25	8/9/2007 14:00	8/10/2007 14:00
12/22/2008 15:30	12/22/2008 15:30	12/22/2008 16:30	12/22/2008 16:15
12/15/2010 9:03	12/15/2010 9:03	12/15/2010 9:03	12/15/2010 9:13
11/25/2012 10:03	11/25/2012 10:03	11/25/2012 11:17	11/25/2012 11:27
11/25/2012 10:03	11/25/2012 10:03	11/25/2012 11:17	11/25/2012 11:27
5/24/2013 10:00	5/24/2013 10:15	5/24/2013 11:40	5/24/2013 12:00
9/27/2013 20:00	9/27/2013 20:45	9/27/2013 21:45	9/27/2013 22:00
1/2/2009 4:50	1/2/2009 4:45	1/2/2009 4:55	1/2/2009 4:55
6/16/2007 13:30	6/16/2007 13:30	6/16/2007 15:00	6/16/2007 15:30
11/3/2008 9:00	11/3/2008 10:00	11/3/2008 10:10	11/3/2008 10:40
5/1/2009 16:00	5/1/2009 16:00	5/1/2009 16:05	5/1/2009 16:05
2/6/2010 12:00	2/6/2010 12:00	2/6/2010 12:10	2/6/2010 13:00
1/12/2013 11:00	1/12/2013 11:30	1/12/2013 11:32	1/12/2013 15:00
8/3/2013 9:00	8/3/2013 9:15	8/3/2013 9:30	8/3/2013 10:00
4/21/2008 5:30	4/21/2008 5:30	4/21/2008 6:05	4/21/2008 6:20
3/19/2009 12:45	3/19/2009 12:45	3/19/2009 12:45	3/19/2009 13:20
1/15/2010 7:45	1/15/2010 7:57	1/15/2010 8:30	1/15/2010 9:30
10/8/2010 14:07	10/8/2010 14:09	10/8/2010 14:30	10/8/2010 15:00
5/12/2007 9:45	5/12/2007 9:50	5/12/2007 10:15	5/12/2007 13:50
12/30/2007 14:05	12/30/2007 14:10	12/30/2007 14:25	12/30/2007 14:30

Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Root intrusion
Root intrusion
Debris
Debris
Debris
Root intrusion
Debris-Rags
Debris
Other (specify below)
Debris
Debris
Debris
Debris-General
Root intrusion
Flow exceeded capacity
Root intrusion
Debris-Rags
Root intrusion
Pipe structural problem/failure
Pipe structural problem/failure
Grease deposition (FOG)
Other (specify below)
Root intrusion
Pipe structural problem/failure
Pipe structural problem/failure
Grease deposition (FOG)
Pipe structural problem/failure
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Damage by Others Not Related to CS Construction/Maintenance (Specify Below)
Pump station failure
Debris
Operator error
Other (specify below)
Debris-General
Other (specify below)
Pipe structural problem/failure
Pipe structural problem/failure
Pipe structural problem/failure
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Other (specify below)

Interceptor tank pump lost power due to leg dropped from PG&E
Car accident sheared off pressure tap.
resident in area dumping grease down drain

Mendocino County Dept. of Transportation was replacing a storm drain, and broke the 8-inch sewer main below the old st

N/A

While we were smoke testing, a 4 x 7 juice can accidentally dropped into the sewer line.

Some grease that collected on rags
Roots & grease

While crew was cleaning line with hydro cleaner, pipe that over hangs creek began to drip from pin hole in pipe while crew
unknown of cause, crew did open up line. Will video line next day to determine cause.

Overflow occurred when operator turned on 2 pumps to test system. Overflow occurred only when 2 pumps were on.

Observed gravel during cleanup procedures, believed to be the cause.
Directional Boring along side sewer line

Sump pump was inadvertently turned off.
Described above. Clean out being snaked and water pushed out of cleanout.

Combination of root intrusion, FOG, reduced sewage flow over holiday followed by increased flow when students moved
Construction had collapsed a section of sewer line. Was not discovered until backup occurred.
A new sewer trunk line along Todd Road will be replacing the existing force (failure) main. This project will be completed
City I&I crew found the blockage and spill while televising the main.
The cause of the spill was due to heave grease, this is a residential area, and we will be providing public outreach to educ

Large amount of paper type shop rags.

Main
Main
Main
Main
Other (specify below)
Other (specify below)
Main

Main
Main
Main
Other (specify below)

Main
Main
Main
Main

Main
Lower Lateral
Lower Lateral
Other (specify below)
Main
Other (specify below)

Main
Main

Main
Main
Other (specify below)
Other (specify below)
Other (specify below)

Other (specify below)
Main
Main
Main
Gravity Mainline
Main

Other (specify below)

Other (specify below)
Main
Upper Lateral

Main
Other (specify below)
Main
Main
Main

Transformer on utility pole
Pressure tap sheared due to automobile accident.

Roots intruded through the drop cleanout, and blocked the main at the drop.

manhole
DOWNSTREAM OF MANHOLE

Inflow Exceeded pumping capacity and wetwell volume

To spots failed in previous old repairs

Believe chunk of mortar fell from Mh into channel causing restriction
Roots blocking sewer mainline in manhole caused passage of wastewater to block and surface through manhole entry poi
Pump hose failure

In force main CO sweep.

Spill occurred at intersection of Mill Street and Mill Court, the lowest spot. The blockage occurred downstream near the in

2 inch line dedicated to pump discharge from toast sink.

building sewer line impacted with food debris
Between manhole 1 and manhole 2

Spill was first noticed spilling out of a sewer lateral clean out at approximately 10 GPM, when the first responder arrived tl

8 VCP
6 VCP
6
8 VCP

6 AC

8 VC
8 VC
4
6
6 concrete
6
10

6 Polyethylene lining making the pipe 5.5 diameter.
N/A

6 LINED TERRA COTTA

nt

6 PVC
4 plastic

tersection of Mill street and 4
No

12 Truss
6 ABS

2 na
4
4
18 concrete
6

he spill was overflowing out c

6 PVC
8 CC
6 ACP

6 A.C.

50

50

70

20

35

60

30

50

40

35

27

30

20

0

30

10

30

50

40

Contained all or portion of spill
 Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
 Cleaned-up (mitigated effects of spill)
 Restored flow;Returned all or portion of spill to sanitary sewer system;Other (specify below)
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
 Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
 Restored flow
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
 Cleaned-up (mitigated effects of spill);Restored flow
 Cleaned-up (mitigated effects of spill)
 Restored flow
 Restored flow;Returned all or portion of spill to sanitary sewer system
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
 Inspected sewer using CCTV to determine cause;Restored flow
 Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
 Contained all or portion of spill
 Cleaned-up (mitigated effects of spill)
 Cleaned-up (mitigated effects of spill)
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Cleaned-up (mitigated effects of spill)
 Cleaned-up (mitigated effects of spill);Restored flow
 Returned all or portion of spill to sanitary sewer system
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
 Restored flow
 Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Other (specify below)
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
 Inspected sewer using CCTV to determine cause;Restored flow;Other (specify below)
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
 Other (specify below)
 Restored flow;Other (specify below)
 Cleaned-up (mitigated effects of spill);Restored flow
 Other (specify below)
 Cleaned-up (mitigated effects of spill);Restored flow
 Cleaned-up (mitigated effects of spill);Restored flow
 Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re

ED 006495 00001076-00224

Contacted PG&E to restore power.

vacuumed water and removed solids from ground and returned back to system

Removed solid materials and soil and disposed of.

A manhole located downstream was utilized for sewer-jetting to clear the blockage.

N/A

Used vacuum truck to retrieve fluid, shovel and bucket to pick up solids.

Force main was exposed overflow settled in hole. This was vac up & one repair was made to force main. Tested & other of
Repair was made to stop leak.

No overflow was occurring when crew arrived, no debris on street, by the time crew ran and opened line, area had already

Captured runoff into creek. Applied lime to ground where most of spill landed

Repaired 2 force main

Nothing to clean up. Small wet area only, that evaporated. Force main was repaired.

Snake line and clean up floor of restroom

Called to the site, immediately turned breaker back, blocked off area from pedestrian traffic and cleaned up spill using vacuum. Blocked storm drain inlet, absorbed spilled material. Cleaned sidewalk area with antimicrobial cleaner, mops and rags. floor drain in kitchen backed up. Roto rooter called and cleared line. Housekeeping cleaned floor and nothing left the building. On campus staff found main backup location in system, brought in emergency response. Cleared block Saturday afternoon.

Revised Corrective Action: As of Nov 2008 a new sewer trunk was installed making the surrounding area gravity flow. The City of Santa Rosa construction crews were called out immediately to make the necessary repairs.

Broke blockage using Hydro-flusher and restored flow, Flushed and cleaned effected sewer mains, Cleaned and vacuum

1/18/2011 12:00

12/4/2010 15:40

11/28/2007 14:00

2/22/2008 14:00

1/18/2008 9:30

4/21/2011 19:00

6/29/2011 12:30

7/5/2007 16:55
7/19/2007 15:00

10/13/2008 14:15

11/25/2012 15:45
11/25/2012 15:45
5/24/2013 13:10

1/12/2013 16:00

1/16/2010 9:00

12/30/2007 17:00

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Repaired sewer
Plan rehabilitation or replacement of sewer

Other (specify below)

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Added sewer to preventive maintenance program

No action needed

Removed the cause of obstruction, the 4 x 7 can and flow was restored.

Replaced pump hose

Responding crew indicated gravel was likely the cause of the spill. Gravel was removed during clearing of the stoppage. t

More frequent inspection and perform any possible repairs. Building basement is under full restoration to remove impacte

Will provide public outreach to the nearby residents in the area

No

No

No

No

Yes

No

No

No

No

No

No

No

No

Yes

No

No

none
N/A
N/A

N/A

Water in creek not moving, and in pond impoundment formation

Receiving water body is Fife Creek. Operations personnel inspected outlet of storm drain and verified no sewage entered

Visual inspection was done of nearby drain and it was clean with no signs of contact.
Not impacted

No receiving waters were impacted. City of Rohnert Park and City of Santa Rosa were contacted same day and notified.
No impacted waters. Final outfall location was inspected that night to verify.

N/A

No

No

No

Yes

Yes

No

No

No
Yes

No

No
No
No

Yes

No

No

n/a

Dillon Beach

Point Arena Marina

NA

NA

NA

None

None

N/A

NA

n/a

none

N/A

No surface water was impacted

n/a

NA

Not Applicable

Point Arena Creek

nONE

Point Arena Creek

NA

Mark west Creek

Dutch Bill Creek

Dutch Bill Creek

None

Salal Creek, The Sea Ranch

N/A

Russian River

Russian River

Fife Creek, Russian River. Spill did not reach surface water.

None

None

N/A

N/A

Orr Creek

Orr Creek

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

Biological indicator(s) - specify below

Biological indicator(s) - specify below

No water quality samples taken

Dissolved oxygen;Other (specify below)

Dissolved oxygen;Other chemical indicator(s) - specify below
Dissolved oxygen

Biological indicator(s) - specify below

Not applicable to this spill
Not applicable to this spill
No water quality samples taken

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

Total Coliform, Fecal Coliform and E-coli

Total Coliform E. Coli Enterococcus

Ammonia, Fecal Coli

Ammonia Nitrogen, Dissolved Oxygen, Fecal Coliform
NH3, Fecal Coli

Fecal Coliform

NA

None taken

None of the above

Not applicable to this spill

No water quality samples taken

County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

None of the above

None of the above

County Health Agency;Regional Water Quality Control Board
None of the above

Regional Water Quality Control Board

None of the above
None of the above
None of the above

None of the above

Not applicable to this spill

None of the above

\${ssoDetails.resultsReportedExplanation}

not required because was not released and building basement was locked down mid day Saturday 1/12/13 and posted.

No samples taken.

observed at 3GPM at arrival, calculated 2 hours of spill duration. $3\text{gal} \times 120\text{min} = 360\text{gal}$.

94680	6/29/2009 12:30
105095	10/25/2010 12:30
110325	1/18/2011 11:50
133130	5/23/2013 10:15

85968	8/15/2008 17:00
96832	10/10/2009 15:15
97630	11/13/2009 14:00
77704	12/14/2007 10:00

8/16/1995	2/18/2008 18:00
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133193	5/26/2013 14:25
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80538	1/18/2008 8:20
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94332	6/13/2009 17:00
97990	11/30/2009 9:30
112682	5/29/2010 17:32
113912	6/29/2011 11:50
95861	8/24/2009 10:20
74095	7/9/2007 7:00
74322	7/19/2007 12:57
93625	5/12/2009 18:50

74784	8/9/2007 14:31
89087	12/22/2008 0:00

127092	11/25/2012 12:08
127092	11/25/2012 12:08
133163	5/24/2013 13:33

90014	1/2/2009 5:45
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82998	4/23/2008 1:08
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100322	1/15/2010 10:30
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78018	12/31/2007 7:45
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Jeff Andress, Lead MWIII

7079755776

1SSO10074	Active	711388 Dan Hunt	Certified
1SSO10074	Active	717011 Dan Hunt	Certified
1SSO10074	Active	717022 Dan Hunt	Certified
1SSO10074	Active	717696 Dan Hunt	Certified
1SSO10074	Active	718633 Dan Hunt	Certified
1SSO10074	Active	726024 Dan Hunt	Certified
1SSO10074	Active	728685 Dan Hunt	Certified
1SSO10074	Active	730990 Dan Hunt	Certified
1SSO10074	Active	731440 Dan Hunt	Certified
1SSO10074	Active	738050 Dan Hunt	Certified
1SSO10074	Active	739455 Dan Hunt	Certified
1SSO10074	Active	740148 Dan Hunt	Certified
1SSO10074	Active	746448 Dan Hunt	Certified
1SSO10074	Active	747148 Dan Hunt	Certified
1SSO10074	Active	754561 Dan Hunt	Certified
1SSO10074	Active	754716 Dan Hunt	Certified
1SSO10074	Active	758352 Don Brown	Certified
1SSO10074	Active	769999 Dan Hunt	Certified
1SSO10074	Active	773408 Dan Hunt	Certified
1SSO10074	Active	786802 Dan Hunt	Certified
1SSO10074	Active	788188 Dan Hunt	Certified
1SSO10074	Active	788189 Don Brown	Certified
1SSO10074	Active	796319 Don Brown	Certified
1SSO10078	Active	721669 jim cloud	Certified
1SSO10078	Active	749132 Jim Cloud	Certified
1SSO10078	Active	756747 Brandon Van Dine	Certified
1SSO10078	Active	757865 Brandon Van Dine	Certified
1SSO10078	Active	791568 Jim Cloud	Certified
1SSO10078	Active	793349 Jim Cloud	Certified
1SSO10079	Active	767687 Craig Sharp	Certified
1SSO10079	Active	768150 Craig Sharp	Certified
1SSO10079	Active	793602 Craig Sharp	Certified
1SSO10079	Active	793608 Craig Sharp	Certified
1SSO10079	Active	793610 Craig Sharp	Certified
1SSO10079	Active	793634 Craig Sharp	Certified
1SSO10079	Active	793637 Craig Sharp	Certified
1SSO10081	Active	765776 Alan Hodge	Certified
1SSO10085	Active	704598 Mary Coburn	Certified
1SSO10085	Active	711697 Mary Coburn	Certified
1SSO10085	Active	716028 Mary Coburn	Certified
1SSO10085	Active	718182 Mary Coburn	Certified
1SSO10085	Active	721222 Mary Coburn	Certified
1SSO10085	Active	729345 Mary Coburn	Certified
1SSO10085	Active	733816 Mary Coburn	Certified
1SSO10085	Active	736003 Mary Coburn	Certified
1SSO10085	Active	739557 Mary Coburn	Certified
1SSO10085	Active	754693 Mary Coburn	Certified
1SSO10085	Active	763260 Richard Bartlett	Certified
1SSO10085	Active	765334 Richard Bartlett	Certified
1SSO10085	Active	778663 Micheal L. Cave, Jr.	Certified
1SSO10085	Active	787218 Michael Carson	Certified
1SSO10085	Active	788549 Michael Carson	Certified
1SSO10085	Active	800843	Submit Draft
1SSO10086	Active	713767 Steve Neill	Certified
1SSO10086	Active	713818 Steve Neill	Certified

W/S Maintenance Supervisor
Water and Sewer Maintenance Supervisor
Supervisor
Interim Supervisor
Interim W&S Supervisor
W/S Supervisor
Water and Sewer Maintenance Supervisor
W/S Supervisor
W&S Supervisor
Water and Sewer Maintenance Supervisor
W/S Maintenance Supervisor
Water and Sewer Maintenance Supervisor
W/S Supervisor
Water and Sewer Maintenance Supervisor
W/S Supervisor
W/S Supervisor
Water & Sewer Lead Worker
W/S Supervisor
Water & Sewer Maintenance Supervisor
W/S Supervisor
W/S Supervisor
Water and Sewer Lead Worker
Lead Worker
general manager
General Manager
Operator
Operator
General Manager
General Manager
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Chief Operator
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Utility Maintenance Supervisor
Public Works Manager
Public works Manager
Water System Supervisor
Management Analyst
Management Analyst

Director of Public Works
Director of Public Works

	8:38	723267
	14:31	129684
	1500	963736
3:01 p.m.		778139
Corp. Yard Office		629347
	8:17	422790
	14:26	952163
12/22/08 2:21 P.M.		754064
	14:20	555844
	14:24	295718
	8:02	447683
	14:19	578918
	11/3/2009 11:30	997804
	14:09	153919
	8:44	190863
	10:43	756567
	20:47	198274
	23:04	981402
	21:38	468731
	23:54	720340
	7:58	165468
City of Ukiah		217995
	11:59 AM	555895
wsd		432505
	1630	244570
WSD Plant		219028
	11:39	868885
	1600	203224
	1038	831075
City of Weed		283352
City Hall		908040
City Hall		155664
City Hall		983416
City Hall		806186
City Hall		679070
City Hall		869959
	20:26	892320
	934	226604
	910	298132
	927	650980
	935	893771
	1255	469080
	920	985187
	828	959363
	2:47	178367
	1021	119516
	1200	114174
	5:42 PM	683890
Windsor		997928
Town of Windsor		102824
Windsor		176400
Windsor		545726
Yreka, CA		612980
Yreka, CA		541321

17-Jan-08		17-Jan-08	12/3/2010
6-May-08		10-Mar-10	3/10/2010
6-May-08		6-May-08	5/6/2008
20-May-08		20-May-08	5/20/2008
2-Jun-08		2-Jun-08	6/2/2008
11-Sep-08		3-Dec-10	12/3/2010
29-Oct-08		30-Oct-08	3/10/2010
22-Dec-08		22-Dec-08	12/22/2008
5-Jan-09		5-Jan-09	1/5/2009
27-May-09		10-Mar-10	3/10/2010
17-Jun-09		10-Mar-10	12/3/2010
29-Jun-09		10-Mar-10	3/10/2010
3-Nov-09		3-Nov-09	11/3/2009
29-Nov-09		29-Nov-09	11/29/2009
8-Jul-10	7/8/2010	8-Jul-10	7/8/2010
10-Jul-10	7/10/2010	10-Jul-10	7/10/2010
3-Nov-10	11/3/2010	3-Nov-10	11/3/2010
18-Aug-11	8/18/2011	18-Aug-11	8/18/2011
22-Nov-11	11/22/2011	22-Nov-11	11/22/2011
29-Sep-12	9/29/2012	29-Sep-12	9/29/2012
17-Nov-12	11/17/2012	3-Jan-13	1/3/2013
17-Nov-12	11/17/2012	17-Nov-12	11/17/2012
29-Jun-13	6/29/2013	29-Jun-13	6/29/2013
7-Jul-08		14-Dec-10	12/14/2010
4-Feb-10		4-Feb-10	2/4/2010
14-Sep-10	9/14/2010	14-Sep-10	9/14/2010
18-Oct-10	10/18/2010	18-Oct-10	10/18/2010
12-Feb-13	2/12/2013	12-Feb-13	2/12/2013
12-Apr-13	4/12/2013	12-Apr-13	4/12/2013
21-Jun-11	6/21/2011	21-Jun-11	6/21/2011
5-Jul-11	7/5/2011	10-Jan-12	4/24/2013
24-Apr-13	4/24/2013	24-Apr-13	4/24/2013
24-Apr-13	4/24/2013	24-Apr-13	4/24/2013
24-Apr-13	4/24/2013	24-Apr-13	4/24/2013
24-Apr-13	4/24/2013	24-Apr-13	4/24/2013
24-Apr-13	4/24/2013	24-Apr-13	4/24/2013
25-Apr-11	4/25/2011	25-Apr-11	9/1/2011
3-Oct-07		26-Oct-07	1/31/2011
24-Jan-08		21-Feb-08	4/11/2011
10-Apr-08		10-Apr-08	1/31/2011
28-May-08		29-Oct-09	10/29/2009
2-Jul-08		2-Jul-08	1/31/2011
18-Nov-08		20-Nov-08	1/31/2011
17-Feb-09		17-Feb-09	2/1/2011
6-Apr-09		6-Apr-09	4/6/2009
18-Jun-09		18-Jun-09	6/18/2009
9-Jul-10	7/9/2010	9-Jul-10	7/9/2010
17-Feb-11	2/24/2011	24-Feb-11	2/24/2011
11-Apr-11	8/9/2011	9-Aug-11	8/9/2011
14-Mar-12	3/14/2012	14-Mar-12	3/14/2012
16-Oct-12	10/16/2012	16-Oct-12	10/16/2012
28-Nov-12	11/28/2012	28-Nov-12	11/28/2012
18-Nov-13	11/18/2013		
22-Feb-08		29-Feb-08	2/29/2008
25-Feb-08		29-Feb-08	2/29/2008

Category 1	300	70
Category 3	250	250
Category 3	250	250
Category 1	950	0
Category 3	98	98
Category 3	50	50
Category 1	50	50
Category 1	240	0
Category 3	300	300
Category 3	25	25
Category 3	150	150
Category 3	5	5
Category 3	50	50
Category 3	200	180
Category 3	30	30
Category 3	40	40
Category 3	35	35
Category 3	30	30
Category 1	230	207
Category 3	180	180
Category 1	50	10
Category 1	50	10
Category 3	50	50
Category 3	75	0
Category 3	500	0
Category 3	50	0
Category 3	200	0
Category 3	1	0
Category 3	200	150
Category 3	85	85
Category 1	1000	250
Category 2	1000	300
Category 3	600	600
Category 2	1200	600
Category 2	1100	800
Category 2	2000	1200
Category 1	190080	0
Category 3	50	50
Category 3	200	10
Category 1	2710	1030
Category 1	1440	1240
Category 3	10	10
Category 1	360	0
Category 1	190	0
Category 1	100	25
Category 1	1530	0
Category 2	7200	7200
Category 1	282	0
Category 3	30	0
Category 3	250	250
Category 3	39	39
Category 3	84	84
Category 3	83	83
Category 1	120	0
Category 3	10	10

0

230 Yes	Yes
0 No	No
0 No	No
950 Yes	Yes
0 No	No
0 No	No
50 Yes	No
240 Yes	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	Yes
0 No	No
23 Yes	Yes
0 No	Yes
40 Yes	Yes
40 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
750 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
190080 Yes	Yes
0 No	No
0 No	No
1680 Yes	Yes
200 Yes	Yes
0 No	Yes
360 Yes	Yes
190 Yes	No
75 Yes	Yes
1530 Yes	No
0 No	Yes
282 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
120 No	Yes
No	No

No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Yes
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Yes
No
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Yes
No
Not Applicable - Spill did not reach storm drainpipe

1068 N. State St.
Perkins and Bush St.
Perkins and Bush St.
Ford and Orchard Lift Station
Intersection of W. Standley and N. Bush St.
856 S Dora St
N. State St. at Orr Creek
207 N. Pine St
W. Mill St. and Barbara St.
Intersection of Perkins St. and Barnes St.
Intersection of W. Clay St. and S. Bush St.
Intersection of W Standley St and N Hortense St
Intersection of W. Clay St and Thompson St.
700 Block of South State Street (Intersection Gobbi and S. State St.)
Intersection of W. Perkins and Barnes Street
W. Perkins and Bush Street
Intersection of Observatory Ave. and Mulberry St.
1078 Alice Ave
Observatory Ave
North State Street
720 Willow Ave
720 Willow ave
875 Freitas
Glen Road Main
Timber Ridge
Lowden Park
310 Glen Road
60 easter ave
napa auto parts
450 Walnut
530 South Weed blvd
462 Walnut street
131 Inez Street
1939 College Ave.
286 Spring LAne
pool
Westport County Water District Waste Water Plant, polishing pond
Hembree Lane
9596 Orion Drive
Town of Windsor, Intersection Berwyn way and Howard Drive
Windsor River Road/ Conde Lane
1125 Enzos Way
6697 Old Redwood Highway, Windsor Ca. 95492
Old Redwood Hwy
Cornell Street
6360 Old Redwood Hwy, Windsor Ca.
1511 Golf Course Drive, Windsor. California
American Wy and Conde Ln
Kieser Park Windsor River Road
Camelot Drive
8776 Lakewood Dr. Skilletts
825 Colleen Dr.
46 Matthew Cir.
906 North St
217 Third Street

39.163306	-123.21025 Mendocino
39.149389	123.211556 Mendocino
39.149389	123.211556 Mendocino
39.157197	123.199406 Mendocino
39.150019	123.211667 Mendocino
39.140119	-123.210794 Mendocino
39.155919	123.208406 Mendocino
39.150278	123.211275 Mendocino
39.145136	123.209592 Mendocino
39.148625	-123.2162 Mendocino
39.085095	-123.123976 Mendocino
39.085895	-123.124906 Mendocino
39.146392	-123.217258 Mendocino
39.143111	-123.206664 Mendocino
39.148639	-123.216292 Mendocino
39.149414	-123.211539 Mendocino
39.137692	-123.206731 Mendocino
39.137242	-123.210689 Mendocino
39.137672	-123.206681 Mendocino
39.159726	-123.209074 Mendocino
39.090513	-123.125664 Mendocino
39.090513	-123.125664 Mendocino
39.141111	-123.206944 Mendocino
40.718282	-122.932881 Trinity
40.7165	-122.9419 Trinity
40.72853	-122.94315 Trinity
40.7196	-122.93248 Trinity
40.74084	-122.94197 Trinity
40.72564	-122.93313 Trinity
41.41586	-122.38557 Siskiyou
41.41501	-122.3833 Siskiyou
41.41573	-122.38556 Siskiyou
41.42436	-122.38587 Siskiyou
41.40518	-122.40628 Siskiyou
41.42502	-122.38721 Siskiyou
41.41586	-122.38557 Siskiyou
39.64371	-123.78302 Mendocino
38.53579	-122.79764 Sonoma
38.55188	-122.83143 Sonoma
38.55003	-122.81866 Sonoma
38.53818	-122.80189 Sonoma
38.542	-122.80998 Sonoma
38.53992	-122.79531 Sonoma
38.54904	-122.81251 Sonoma
38.53637	-122.79302 Sonoma
38.54904	-122.81251 Sonoma
38.53099	-122.80809 Sonoma
38.55188	-122.83143 Sonoma
38.54676	-122.82225 Sonoma
38.55782	-122.81489 Sonoma
38.548111	-122.805694 Sonoma
38.552861	-122.823111 Sonoma
38.538722	-122.793083 Sonoma
41.735619	122.649417 Siskiyou
41.732958	122.636542 Siskiyou

[illegible]

In City Street No Private Property Damage

Corner of Ford and Orchard

Spill occurred in front of the residents of 856 S Dora St, between Mendocino ST and Luce St.
Orr Creek Bridge on N. State St.

Intersection of W. Mill and Barbara St.

From manhole at the intersection of W Perkins St and Barnes St

From a manhole at the intersection of W. Clay St. and S Bush St.

From a manhole in the intersection of W Standley St and N Hortense St

Manhole at the intersection of W. Clay St. and Thompson St.

Small spill at the Intersection of S. state and Gobbi

Small spill at the intersection of W. Perkins and Barnes Street.

Small Spill at the intersection of W. Perkins and Bush St.

From a manhole at the intersection of Observatoy Ave and Mulberry St.

Small spill corner of Alice Ave and Observatory Ave

Intersection of Mulberry and Observatory Ave

First manhole north of Low Gap

Spill came from a manhole in front of address an ran east to N. Spring and went west to a stom drain and entered creek.

Spill come from manhole on west end of Willow Ave ran east to N Spring St. entering a storm drain that dumped into Gib:

Come from a manhole in center of street

Approx .2 miles on Timber Ridge Rd

Lee Fong Park between Lorenz Rd and Hawthorne St.

The sewer main in front of 310 Glen Rd.

Inside building at 60 Easter ave.

4 inch cleanout at napa auto parts

Spill ran through a house then into storm drain

sewer main backed up and spilled under the house

Main backed up in basement of home

backed up in home and on property

Sewer backed up into house also came out of a manhole

spill backed up into four homes. Pumping out a pool into sewer main caused overflow

Waste Water Treatment Plant, polishing pond, North/East corner. This release continues to flow to prevent compromising

Hembree Lane at the intersection of Billington Lane

residential landscape

Paved Road way, Storm culvert, Tributary Drainage Channel

Road way/gutter pan

south side of Old REdwood Hwy

Public road, residential area

North side of Old Redwood Highway, on private drive.

Roadway, 1511 Golf Course Drive

Spill was from a main line cleanout on American Wy

Kieser Park Sewer Main, Road Surface

Camelot Drive near the intersection of Jane Drive. Residential neighborhood

Spill from Manhole in from of 8776 lakewood Dr.

son Creek.

g the pond levee and causing a non-con

Manhole
Manhole
Manhole
Pump station
Manhole
Other (specify)
Other (specify)
Building or structure
Manhole
Gravity sewer
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Other (specify)
Gravity sewer;Manhole
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Manhole
Gravity sewer
Building or structure;Gravity sewer
Building or structure
Gravity sewer
Building or structure
Building or structure;Gravity sewer
Gravity sewer
Building or structure;Gravity sewer
Building or structure;Gravity sewer
Building or structure;Gravity sewer;Manhole
Building or structure;Gravity sewer
Other (specify)
Manhole
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Other sewer system structure
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer
Gravity sewer;Manhole
Manhole
Manhole
Building or structure
Manhole
Manhole
Other (specify)

The spill started coming out of a cleanout at the beginning of a 6 inch sewer main
Small hole in exposed sewer main under Orr Creek Bridge.

At 10:39 am a report of a sewage coming for manhole at the address Specified above was reported to city employees. L

Clean-Out

Water was approximately 2 height out of pick holes in manhole lid.

Raw sewage coming from a manhole

Sewer Main backed up in home

North/East corner of our polishing pond, irrigation field DI box
residential landscape

Sewer Cleanout

Cleanout

street

Other paved surface
Other paved surface
Other paved surface
Surface water
Street/curb and gutter
Other paved surface;Street/curb and gutter
Other (specify below)
Storm drain
Other (specify below)
Other paved surface
Storm drain
Other paved surface
Other paved surface
Storm drain;Other (specify below)
Street/curb and gutter
Street/curb and gutter
Storm drain
Street/curb and gutter
Other (specify below)
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter;Surface water
Other (specify below)
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Building or structure
Street/curb and gutter
Other (specify below)
Separate storm drain;Surface water
Building or structure;Unpaved surface
Building or structure;Other paved surface
Building or structure;Unpaved surface
Building or structure
Building or structure;Other paved surface
Beach
Separate storm drain;Street/curb and gutter
Unpaved surface
Unpaved surface
Surface water
Separate storm drain
Unpaved surface
Unpaved surface
Storm drain;Street/curb and gutter;Unpaved surface
Surface water
Storm drain
Surface water
Street/curb and gutter
Separate storm drain
Street/curb and gutter
Separate storm drain
Separate Storm Drain
Storm drain;Street/curb and gutter
Street/curb and gutter

It is over (1) mile to the river from the Manhole, therefore it is unknown what the final destination would be.
Cleaned-Up spill with vac-Truck then dumped at sewer treatment plant.

Spill entered Dry Creek Bed and percolated into gravel bed. Contaminated gravel will be removed.

Spill was captured with vacuum truck and dumped at Waste Water Treatment Plant.

Vacuum up and dumped at Wastewater Treatment Plant

Spill entered storm drain, crew flushed drain line and captured approximately 180 gallons and returned to collection system

Large underground box culvert

Spill entered storm drain on N Spring St that dumps directly into Gibson Creek

Spill contained in gutter pan recovered by city crews

Spill was cleaned up

unpaved surface description: 1. Dirt surface below residential structure. 2. Undeveloped, non utilized agricultural land,
Tributary Drainage Channel, standing stagnant water, no flow

Open drainage ditch

Spill not active at time of response. Asphalt around manhole lid, and gutter pan damp, indicating flow to storm drain system
Faught Creek, Windsor

Spill was surface flow to a storm drain that emptied into Pool Creek during very heavy rain storm

1/15/2008 12:00	1/15/2008 12:05	1/15/2008 12:00	1/15/2008 12:30
4/27/2008 8:45	4/27/2008 8:50	4/27/2008 9:05	4/27/2008 10:00
4/27/2008 8:45	4/27/2008 8:50	4/27/2008 9:05	4/27/2008 10:00
5/17/2008 12:30	5/17/2008 12:45	5/17/2008 13:00	5/17/2008 13:10
5/21/2008 8:00	5/21/2008 8:10	5/21/2008 8:20	5/21/2008 8:40
9/10/2008 12:00	9/10/2008 12:05	9/10/2008 12:08	9/10/2008 12:35
10/29/2008 15:00	10/29/2008 15:30	10/29/2008 15:30	10/29/2008 17:30
12/21/2008 16:00	12/21/2008 17:15	12/21/2008 17:40	12/21/2008 18:00
1/4/2009 14:58	1/4/2009 15:00	1/4/2009 15:20	1/4/2009 15:30
5/27/2009 8:00	5/27/2009 8:15	5/27/2009 8:22	5/27/2009 8:40
6/17/2009 7:30	6/17/2009 7:40	6/17/2009 7:50	6/17/2009 8:00
6/27/2009 10:30	6/27/2009 10:09	6/27/2009 11:15	6/27/2009 11:45
11/3/2009 7:00	11/3/2009 7:15	11/3/2009 7:30	11/3/2009 7:45
11/29/2009 11:30	11/29/2009 11:35	11/29/2009 11:50	11/29/2009 12:10
7/7/2010 21:00	7/7/2010 21:15	7/7/2010 21:30	7/7/2010 21:45
7/10/2010 8:20	7/10/2010 8:35	7/10/2010 9:05	7/10/2010 9:20
11/3/2010 18:45	11/3/2010 18:57	11/3/2010 19:07	11/3/2010 19:10
8/18/2011 20:25	8/18/2011 20:30	8/18/2011 20:40	8/18/2011 20:45
11/22/2011 18:00	11/22/2011 18:30	11/22/2011 18:40	11/22/2011 19:00
9/29/2012 21:30	9/29/2012 21:30	9/29/2012 22:00	9/29/2012 22:15
11/17/2012 8:50	11/17/2012 8:07	11/17/2012 9:07	11/17/2012 9:15
11/17/2012 8:50	11/17/2012 8:57	11/17/2012 9:07	11/17/2012 9:15
6/29/2013 9:20	6/29/2013 9:40	6/29/2013 9:55	6/29/2013 10:05
7/7/2008 11:40	7/7/2008 11:45	7/7/2008 11:55	7/7/2008 12:15
2/4/2010 14:30	2/4/2010 15:00	2/4/2010 15:10	2/4/2010 15:30
9/14/2010 8:30	9/14/2010 8:30	9/14/2010 8:35	9/14/2010 8:50
10/17/2010 15:00	10/17/2010 15:00	10/17/2010 15:15	10/17/2010 15:35
2/12/2013 7:30	2/12/2013 8:00	2/12/2013 8:10	2/12/2013 8:20
4/12/2013 9:00	4/12/2013 9:05	4/12/2013 9:10	4/12/2013 9:15
4/4/2011 4:11	4/4/2011 0:00	4/4/2011 0:00	4/4/2011 0:00
7/5/2011 10:30	7/5/2011 10:45	7/5/2011 11:00	7/5/2011 1:30
11/20/2008 10:00	11/20/2008 11:00	11/20/2008 12:00	11/20/2008 1:00
3/6/2010 1:00	3/6/2010 1:00	3/6/2010 2:00	3/6/2010 3:00
2/4/2010 7:00	2/4/2010 9:00	2/4/2010 9:30	2/4/2010 10:00
2/26/2010 8:00	2/26/2010 10:00	2/26/2010 10:19	2/26/2010 11:00
5/22/2012 8:00	5/22/2012 10:00	5/22/2012 10:30	5/22/2012 11:30
3/25/2011 9:00	3/25/2011 9:00	3/25/2011 9:00	5/8/2011 9:00
10/3/2007 10:00	10/3/2007 10:00	10/3/2007 10:10	10/3/2007 11:55
1/19/2008 17:00	1/19/2008 20:15	1/19/2008 20:45	1/19/2008 21:20
4/8/2008 7:00	4/8/2008 7:00	4/8/2008 7:30	4/8/2008 9:30
5/26/2008 0:00	5/27/2008 11:30	5/27/2008 11:35	5/27/2008 12:30
6/12/2008 3:20	6/12/2008 3:20	6/12/2008 3:28	6/12/2008 3:33
11/13/2008 12:45	11/13/2008 1:30	11/13/2008 2:00	11/13/2008 2:36
2/13/2009 15:00	2/13/2009 16:11	2/13/2009 16:43	2/13/2009 0:00
3/31/2009 11:00	3/31/2009 11:00	3/31/2009 11:17	3/31/2009 11:10
6/15/2009 18:00	6/16/2009 9:10	6/16/2009 9:39	6/16/2009 11:30
7/4/2010 11:41	7/4/2010 21:50	7/4/2010 22:00	7/4/2010 23:40
2/17/2011 8:40	2/17/2011 8:40	2/17/2011 8:39	2/17/2011 10:14
4/9/2011 14:45	4/9/2011 14:45	4/9/2011 14:58	4/9/2011 15:20
2/17/2012 11:30	2/17/2012 11:30	2/17/2012 11:45	2/17/2012 12:20
10/1/2012 12:54	10/1/2012 12:54	10/1/2012 13:05	10/1/2012 13:20
11/9/2012 7:20	11/9/2012 7:20	11/9/2012 7:25	11/9/2012 8:44
11/18/2013 10:20	11/18/2013 10:22	11/18/2013 10:29	11/18/2013 11:15
10/21/2007 9:30	10/21/2007 9:30	10/21/2007 9:45	10/21/2007 11:30
2/25/2008 11:00	2/25/2008 11:00	2/25/2008 11:30	2/25/2008 11:45

Other (specify below)
Debris
Debris
Pump station failure
Debris
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Debris-Rags
Root intrusion
Debris-Rags
Debris-Rags
Debris-Rags
Root intrusion
Debris-Rags
Debris-Rags
Debris-Rags
Root intrusion
Debris-Rags
Debris-Rags
Debris-Rags
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Debris-General
Grease deposition (FOG)
Root intrusion
Root intrusion
Root intrusion
Debris-General
Root intrusion
Debris-General
Flow exceeded capacity (Separate CS Only)
Rainfall exceeded design (Separate CS Only)
Grease deposition (FOG)
Pipe structural problem/failure
Grease deposition (FOG)
Debris-General
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Operator error
Debris-General
Debris-General
Operator error
Grease deposition (FOG)
Debris-General
Root Intrusion
Debris
Debris

Unknow to much water in Manhole. Could not see any problems.

Spill was caused by a root mass that entered the sewer main when resident in area had a plumber clean there laterial.

Small root ball and a small amount of grease.

Small amount of paper towels and some roots.

Roots and shop towels caused stoppage.

Debri- Rags (Shop Rags) and small root-ball

found a piece of rebar in the sewer pipe. Does not seem to be any other issues with the pipe.

Pool was pumped and caused main to overflow

Public owned potable water service lateral broke and caused below grade, soil errosion. Water flow caused a friction bre.

Construction debris

Entry Alarm to Lift Station building left off, rendering the wet well, high level alarm inactive.

Main

Main

Main

Main

Other (specify below)

Main

Main

Main

Main

Other (specify below)

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Other (specify below)

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Other (specify below)

Upper Lateral

Main

Manhole

Spill entered into the storm drain because cleanout plug had been removed.

No Failure occurred

WWTF, Polishing pond overflow, North/East corner

Failure due to operator error. Plug inadvertently left in main at Jane and Camelot Drive after completing routine collection

6 AC

6

4

6 clay

6 Steel

6 Clay

6 A.C.

6 clay

6 Clay

6 Clay

6 Clay

6 Clay

6 Concrete

6

6 AC

6 Clay

6 Conc.

6 Conc.

6 Concrete

6 AC

6 transite

6 transite

6 transite

6 transite

10

6

6

6

6 clay

6

0 NA

6 AC

6 PVC

8 Plastic

8 concrete

8 pvc

6 plastic

6 plastic

6 Plastic

8

8 PVC

6

1 system maintenance jetting

12

6 PVC

No

6

6 unknown

4 clay

54

60
60
70
80
1915
50

75
75
60

50
50
60
70
50

40
30
50
50
40
1960

1960
1970
1970
1970
1960
0
20
20

10
15
7

25

20

40
50

Washed sidewalk and gutter to vacuum truck

Cleaned up spill using vacuum trucks and dumped material at wastewater Plant

Due to the structure of the underground box culvert approximately 23 gallons was unrecoverable.

The staff made attempts to seal the slide gate with rubber and wooden shims.

All portions of spill recovered and returned to sanitary sewer system

Cleaned and disinfected all surface affected by overflow. Repaired both the broken water service and sewer main. Removed

Removed construction debris from sanitary sewer

disinfected contaminated area, distributed FOG fliers to area residences.

Public Health posting; Distributed FOG educational fliers; Disinfected potential contaminated surface areas; Cleaning of s
On going investigation, cleaned and disinfected surface areas

Hydrojetter cleaned main line. Removed all debris. Video inspection of affected line.

1/15/2008 13:00

5/17/2008 13:45

10/29/2008 17:30

12/21/2008 18:45

11/29/2009 14:00

11/22/2011 21:00

11/17/2012 9:15

11/17/2012 9:40

7/5/2011 6:00

11/25/2008 10:00

2/6/2010 4:00

3/2/2010 4:00

6/7/2012 8:00

4/30/2011 0:00

8/9/2008 9:30

5/28/2008 5:30

11/20/2008 4:00

2/17/2009 13:00

4/2/2009 5:00

6/16/2009 17:00

7/6/2010 13:00

2/17/2011 0:00

10/21/2007 11:30

Adjusted schedule/method of preventive maintenance

Other (specify below)

Repaired sewer

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program;Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Repaired sewer

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Other (specify below)

Added sewer to preventive maintenance program

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)

Replaced 4 plug in cleanout

Replaced old steel sewer main with new ductile iron main line and installed new manhole on North side of bridge. No imp

City crews will CCTV mainline and remove roots with rooter cutter.

CCTV Line

CCTV Line

Sewer line has been replaced

Enforcement action against Parks Department

No corrective action can take place. The purpose of the release is to preserve the integrity of the polishing pond levee. W

FOG education

Investigation continueing, corrective action to be determined.

Scheduled increase to maintenance schedule, Distributed FOG fliers.

Investigation to continue, and repairs made as need determines

Repaired building alarms, developed internal procedure, provided employee training.

Removed construction debris

cleared blockage, continue to clean on a regular basis

No

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

No

No

No

No

Yes

Yes

Yes

Yes

No

No

Yes

No

No

No

None

No impacted to water, dry creek bed.

N/A

N/A

N/A

Creek is Flowing do to Stom.

Creek was flowing to rain storm

none

none

Non observed

No impact to receiving waters

No flow to receiving water

No visual impact

no visual impact

No running or ponded water observed at the exit point for the contained storm system. The receiving open culvert area s
N/A

No impact to receiving water observed.

No visual impact detected

No impact to receiving water

due to very heavy rainfall, Pool Creek was at flood stage. NO visual impacts to the creek

N/A

na

none identified, receiving waters are more than 3000' away

No

No

Yes
No

No

No

Yes
Yes

Yes
No

No
No
No
No

No
No

No
No
Yes
No
No
No

No

N/A

NA

N/A
NA

N/A

Unknown

none
none

Pete's Beach

N/A
N/A

N/A
N/A
N/A
N/A
NA

N/A
na

NA

Drainage ditch that flows to Russian River

Orr Creek

N/A

No surface impacted, dry creek bed.

Gibson Creek

N/A

N/A

Unnamed tributary (drainage ditch)

N/A

Gibson Creek

Gibson Creek

not applicable

none

none

none

n/a

Boles Creek

none

none

none

none

Pacific Ocean

No receiving waters impacted, None flowing tributary

Windsor Creek

No impacted surface waters

No impact to receiving waters

N/A

Faught Creek

NA

Pool Creek

N/A

na

None

NA

No water quality samples taken

Other (specify below)

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

No water quality samples taken

Not applicable to this spill

Dissolved oxygen;Biological indicator(s) - specify below

Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

No water quality samples taken;Not applicable to this spill

Dissolved oxygen;Biological indicator(s) - specify below

No water quality samples taken

No samples taken.

Total and fecal coliform, Biological oxygen demand, Ammonia and nitrate, total dissolved solids.

E coli
Bacteria Sample

Coliform results at site = 280 mpn/100ml, Up stream Coliform results = >1600 mpn/100ml, Down stream coliform result =

Temperature, Ph, DO,BOD,NFR,TPO4,N-NH3, N-N03,COLIFORM
BOD,NFR,TP04,N-NH3,N-NO3, Total coliform, DO,Ph, Temp.

N/A

Total Coliform Samples taken enterance to wet land area, however unknown if spill exited the storm system.
TP04,N-NH3,Bod,NFR,T&F Coliforms,N-N03

BOD/NFR, N-NH3\N-NO3, TPO4, Coliform T&F, PH

None of the above

County Health Agency;Regional Water Quality Control Board

No water quality samples taken

None of the above

None of the above

No water quality samples taken

Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

None of the above

No water quality samples taken

County Health Agency

No water quality samples taken

No water quality samples taken

Regional Water Quality Control Board

None of the above

None of the above

None of the above

Not applicable to this spill

County Health Agency

None of the above

None of the above

Regional Water Quality Control Board

None of the above

No samples taken.

Pending (Two Week Turn Around)

No Sample taken

WAITING FOR REPORT, will forward to RWQCB

Samples will be submitted when results are available. Submittal to RWQCB and Sonoma County Health Service Departm

Sample results will be provided to regulatory agencies at such time as results are available.

nent

Staff performed a controlled, timed, flow test to match flow observed coming from manhole to storm drain.

80475	1/16/2008 10:00
83075	4/28/2008 8:30
83075	4/28/2008 8:30
83573	5/17/2008 14:37
86627	9/10/2008 2:40
87807	10/29/2008 18:00
89068	12/21/2008 18:55
90058	1/4/2009 16:30
93951	5/27/2009 9:40
94412	6/17/2009 8:40
94636	6/27/2009 12:15
97395	11/3/2009 8:25
97979	11/29/2009 13:10
104110	7/7/2010 22:30
104160	7/10/2010 9:24
106614	11/3/2010 20:08
114926	8/18/2011 22:20
116959	11/22/2011 20:43
125875	9/29/2012 23:12
126994	11/17/2012 10:50
126964	11/17/2012 10:50
133993	6/29/2013 11:00

114028	7/5/2011 3:00
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111984	3/27/2011 19:00
76024	10/3/2007 2:30
80573	1/19/2008 20:43
82654	4/8/2008 8:37
83785	5/27/2008 3:57
84192	6/12/2008 5:40
88178	11/13/2008 3:35
91258	2/13/2009 19:03
92644	3/31/2009 12:30
94385	6/16/2009 11:08
104055	7/4/2010 22:22
110959	2/17/2011 10:39
112269	4/9/2011 16:45
120934	2/17/2012 12:23
125913	10/1/2012 13:49
126813	11/9/2012 14:45

Michael Cave, Water System Supervisor

7078385329

1SSO10086	Active	713820 Steve Neill	Certified
1SSO10086	Active	713822 Steve Neill	Certified
1SSO10086	Active	715400 Steve Neill	Certified
1SSO10086	Active	715725 Steve Neill	Certified
1SSO10086	Active	719578 Steve Neill	Certified
1SSO10086	Active	720985 Steve Neill	Certified
1SSO10086	Active	727461 Steve Neill	Certified
1SSO10086	Active	730008 Steve Neill	Certified
1SSO10086	Active	730355 Steve Neill	Certified
1SSO10086	Active	731691 Steve Neill	Certified
1SSO10086	Active	731931 Steve Neill	Certified
1SSO10086	Active	734106 Steve Neill	Certified
1SSO10086	Active	735192 Steve Neill	Certified
1SSO10086	Active	735399 Tammy McIntire	Certified
1SSO10086	Active	736470 Tammy McIntire	Certified
1SSO10086	Active	739574 Steve Neill	Certified
1SSO10086	Active	741184 Steve Neill	Certified
1SSO10086	Active	741411 Steve Neill	Certified
1SSO10086	Active	741734 Jeannette Hook	Certified
1SSO10086	Active	746344 Steve Neill	Certified
1SSO10086	Active	747669 Tammy McIntire	Certified
1SSO10086	Active	747886 Steve Neill	Certified
1SSO10086	Active	748138 Jeannette Hook	Certified
1SSO10086	Active	750138 Jeannette Hook	Certified
1SSO10086	Active	752812 Tammy McIntire	Certified
1SSO10086	Active	753520 Tammy McIntire	Certified
1SSO10086	Active	758231 Tammy McIntire	Certified
1SSO10086	Active	758235 Steve Neill	Certified
1SSO10086	Active	758432 Tammy McIntire	Certified
1SSO10086	Active	758989 Steve Neill	Certified
1SSO10086	Active	762803 Steve Neill	Certified
1SSO10086	Active	764009 Vernice Haddix	Certified
1SSO10086	Active	771338 Tammy McIntire	Certified
1SSO10086	Active	773756 Steve Neill	Certified
1SSO10086	Active	774180 Steve Neill	Certified
1SSO10086	Active	777110 Tammy McIntire	Certified
1SSO10086	Active	777158 Tammy McIntire	Certified
1SSO10086	Active	780502 Tammy McIntire	Certified
1SSO10086	Active	789509 Tammy McIntire	Certified
1SSO10086	Active	789510 Tammy McIntire	Certified
1SSO10086	Active	792607 Tammy McIntire	Certified
1SSO10086	Active	799765	Submit Draft
1SSO11000	Active	731133 Curtis Griffin	Certified
1SSO11000	Active	742946 Curtis Griffin	Certified
1SSO11000	Active	744955 Curtis Griffin	Certified
1SSO11173	Active	759419 Tim Moxon	Certified
1SSO11173	Active	759684 Tim Moxon	Certified
1SSO11173	Active	759688 Tim Moxon	Certified
1SSO11173	Active	759693 Tim Moxon	Certified
1SSO11173	Active	759699 Tim Moxon	Certified
1SSO11173	Active	759703 Tim Moxon	Certified
1SSO11173	Active	780858 Tim Moxon	Certified
1SSO11173	Active	788387 Tim Moxon	Certified
1SSO11173	Active	797727 Mike Burghart	Certified
1SSO11173	Active	798539 Mike Burghart	Certified

Director of Public Works
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Director of Public Works
Director of Public Works
Director of Public Works
Clerk Typist I
Clerk Typist 1
Director of Public Works
Director of Public Works
Director of Public Works
Administrative Assistant
Director of Public Works
Account Clerk II
Director of Public Works
Administrative Assistant
Administrative Assistant
Account Clerk II
Account Clerk II
Account Clerk II
Director of Public Works
Account Clerk II
Director of Public Works
Director of Public Works
Maintenance Manager
Account Clerk II
Director of Public Works
Director of Public Works
Account Clerk II
Account Clerk II
Account Clerk II
Account Clerk II
Account Clerk II
Account Clerk II

Water/Sewage Plant Supervisor

WSPS

WSPS

Senior Director of Facilities Managment
Senior Director of Facilities Managment
Senior Director of Facilities Managment
Senior Director of Facilities Managment
Senior Director of Facilities Managment
Senior Director of Facilities Managment
Senior Director Facilities Management
Sr. Director Facilities Management
Interim Director CP&RM
Interim Director CP&RM

Yreka,CA	296246
Yreka, CA	615570
Yreka, California	237883
Yreka, California	439149
Yreka, CA	769379
Yreka, CA	643143
Yreka, CA	508675
Yreka, California	335952
Yreka, CA	489836
Yreka, California	330416
Yreka, CA	487340
Yreka, CA	758842
Yreka, CA	520271
Yreka, CA	227469
Yreka	471450
Yreka, CA	641254
Yreka, CA	874385
Yreka, CA	494440
Yreka	367739
Yreka, CA	289550
Yreka	133464
Yreka, CA	610707
Yreka, CA	344799
Yreka, CA	715854
Yreka	648356
Yreka	680392
Yreka	206499
Yreka, CA	825814
Yreka	409488
Yreka, CA	852723
Yreka	270160
City of Yreka	527800
Yreka, CA	626582
Yreka CA	708217
Yreka CA	971800
Yreka, CA	752356
Yreka, CA	900848
Yreka, CA	419861
Yreka, CA	700409
Yreka, CA	325640
Yreka, CA	800574
Sonoma County	987141
Sonoma County	673558
Fort Ross State Park	527561
	1602 872122
HSU Plant Operations	729451
HSU Plant Operations	782579
HSU Plant Operations	382300
HSU Plant Operations	820814
HSU Plant Operations	124876
Arcata, Ca	734729
arcata, ca.	731495
	8/21/2013 525810
Humboldt State University	328835

25-Feb-08		29-Feb-08	2/29/2008
25-Feb-08		29-Feb-08	2/29/2008
26-Mar-08		31-Mar-08	3/31/2008
2-Apr-08		3-Apr-08	4/4/2008
16-Jun-08		17-Jun-08	6/17/2008
30-Jun-08		1-Jul-08	7/1/2008
6-Oct-08		6-Oct-08	10/6/2008
1-Dec-08		2-Dec-08	12/2/2008
9-Dec-08		10-Dec-08	12/10/2008
10-Jan-09		12-Jan-09	1/12/2009
15-Jan-09		16-Jan-09	5/6/2009
25-Feb-09		26-Feb-09	2/26/2009
18-Mar-09		19-Mar-09	3/19/2009
24-Mar-09		25-Mar-09	3/25/2009
20-Apr-09		20-Apr-09	4/20/2009
18-Jun-09		18-Jun-09	6/18/2009
15-Jul-09		15-Jul-09	7/15/2009
17-Jul-09		17-Jul-09	7/17/2009
23-Jul-09		23-Jul-09	7/23/2009
29-Oct-09		29-Oct-09	10/29/2009
21-Dec-09		21-Dec-09	2/14/2013
28-Dec-09		28-Dec-09	12/28/2009
5-Jan-10		6-Jan-10	1/6/2010
4-Mar-10		5-Mar-10	3/5/2010
1-Jun-10	6/1/2010	2-Jun-10	2/14/2013
17-Jun-10	6/17/2010	18-Jun-10	2/14/2013
29-Oct-10	10/29/2010	29-Oct-10	2/14/2013
29-Oct-10	10/29/2010	29-Oct-10	10/29/2010
9-Nov-10	11/9/2010	9-Nov-10	2/14/2013
30-Nov-10	11/30/2010	1-Dec-10	12/1/2010
10-Feb-11	2/10/2011	11-Feb-11	2/11/2011
4-Mar-11	3/4/2011	4-Mar-11	3/4/2011
21-Sep-11	9/21/2011	28-Sep-11	9/28/2011
5-Dec-11	12/5/2011	6-Dec-11	12/6/2011
15-Dec-11	12/15/2011	19-Dec-11	12/19/2011
10-Feb-12	2/10/2012	10-Feb-12	2/10/2012
10-Feb-12	2/10/2012	10-Feb-12	2/10/2012
23-Apr-12	4/23/2012	23-Apr-12	4/23/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
13-Mar-13	3/13/2013	13-Mar-13	3/13/2013
15-Oct-13	10/15/2013		
29-Dec-08		12-Jan-09	1/12/2009
12-Aug-09		12-Aug-09	8/12/2009
22-Sep-09		2-Dec-10	12/2/2010
15-Dec-10	12/15/2010	15-Dec-10	12/15/2010
22-Dec-10	12/22/2010	22-Dec-10	12/22/2010
22-Dec-10	12/22/2010	22-Dec-10	12/22/2010
22-Dec-10	12/22/2010	22-Dec-10	12/22/2010
22-Dec-10	12/22/2010	22-Dec-10	12/22/2010
22-Dec-10	12/22/2010	22-Dec-10	12/22/2010
1-May-12	5/1/2012	1-May-12	5/1/2012
27-Nov-12	11/27/2012	18-Dec-12	12/18/2012
9-Aug-13	8/20/2013	21-Aug-13	8/21/2013
6-Sep-13	9/16/2013	17-Sep-13	9/17/2013

Category 1		10	8
Category 3		1	1
Category 1		200	0
Category 1		50	10
Category 1		400	0
Category 1		4000	0
Category 1		10	0
Category 1		80	0
Category 3		80	0
Category 1		5	0
Category 3		10	0
Category 1		150	100
Category 1		15	0
Category 1		46	0
Category 1		9	0
Category 1		75	0
Category 3		100	100
Category 3		25	0
Category 3		20	0
Category 3		35	0
Category 3		250	0
Category 3		60	40
Category 3		100	0
Category 3		50	0
Category 3		75	0
Category 3		15	0
Category 3		400	400
Category 3		50	0
Category 3		15	0
Category 1		250	0
Category 3		35	30
Category 1		15	0
Category 3		5	5
Category 1		36000	80
Category 3		150	75
Category 3		25	25
Category 2		2000	2000
Category 3		20	20
Category 3		50	50
Category 3		30	30
Category 1		660	400
Category 3	326	326	0
Category 3		550	0
Category 3		50	0
Category 2		1500	0
Category 3		100	0
Category 3		10	0
Category 3		20	0
Category 3		10	10
Category 3		10	10
Category 3		10	0
Category 1		100	10
Category 1		50	0
Category 3		50	0
Category 3	0	20	20

2 No	Yes
No	No
200 No	Yes
40 Yes	Yes
400 Yes	No
2500 Yes	Yes
10 Yes	No
80 Yes	Yes
0 No	Yes
5 Yes	Yes
0 No	Yes
50 No	Yes
15 No	Yes
46 No	Yes
9 No	Yes
75 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
250 No	Yes
0 No	No
1 No	Yes
0 No	No
35920 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
260 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
90 Yes	Yes
50 Yes	Yes
0 No	No
0 No	No

[illegible]

217 Third St
707 Jackson
723 Lane St
217 Third Street
350 Oberlin Rd
Central Yreka Interchange
308 Herzog Blvd.
1549 S Main Street
1212 S. Oregon Street
1119 S. Oregon Street
602 Lane Street
1119 S. Oregon Street
205 South Gold Street
414 Lane Street
1549 S. Main Street
416 Lane Street
820 Knapp Street
303 Yama
306 Yama Street
1212 S. Oregon
703 N. Oregon Street
538 Third Street
901 Shasta Avenue
812 Lane Street
330 Oberlin Road
330 Oberlin Road
723 Lane Street
812 Lane Street
330 Oberlin Road
202 Lawrence Lane
245 N. Foothill Drive
906 North Street
504 Discovery Street
E. Lennox Street
Shasta Avenue - in parcel north of 901 Shasta Ave.
123 E. Center Street
1331 Dove Lane
308 Herzog Boulevard
412 W. Center Street
303 N. Oregon Street
731 Lane Street
100 Lawrence Lane
Salt Point State Park
Fisk Mill State Park
Fisk Mill State Park
Science B
Natural Resources/B street
Brero House 93 WO# 08-003514
Mill Street WO# 08-005184
Cluster Court WO# 08-011134
Sunset Parking Lot WO#09-001282
Wooded area north of Science A
Founders Hall NE in parking lot
Humboldt State University
Feuerwerker House, West Side

41.732958	122.636542 Siskiyou
41.728964	122.645131 Siskiyou
41.732839	122.639947 Siskiyou
41.733636	122.636194 Siskiyou
41.715833	122.723611 Siskiyou
41.731444	122.634444 Siskiyou
41.733231	-122.630214 Siskiyou
41.7137	-122.641031 Siskiyou
41.726111	122.641389 Siskiyou
41.721811	122.641881 Siskiyou
41.75	-122.644167 Siskiyou
41.721811	122.64188 Siskiyou
41.731633	-122.641 Siskiyou
41.731019	-122.63984 Siskiyou
41.713469	-122.641136 Siskiyou
41.730772	-122.639156 Siskiyou
41.739678	-122.641392 Siskiyou
41.733608	-122.636533 Siskiyou
41.733611	-122.636389 Siskiyou
41.720675	-122.641528 Siskiyou
41.740233	-122.635453 Siskiyou
41.737486	-122.634858 Siskiyou
41.725961	-122.646181 Siskiyou
41.731853	-122.647208 Siskiyou
41.382222	-122.634167 Siskiyou
41.382222	-122.63416 Siskiyou
41.731111	-122.645097 Siskiyou
41.731772	-122.648411 Siskiyou
41.382222	-122.63416 Siskiyou
41.720792	-122.641517 Siskiyou
41.732653	-122.629306 Siskiyou
41.73567	-122.64923 Siskiyou
41.737983	-122.645922 Siskiyou
41.735575	-122.632175 Siskiyou
41.725864	-122.646136 Siskiyou
41.730539	-122.634947 Siskiyou
41.711431	-122.61666 Siskiyou
41.732922	-122.630003 Siskiyou
41.731606	-122.639453 Siskiyou
41.733964	-122.637744 Siskiyou
41.731808	-122.645111 Siskiyou
41.720689	-122.640858 Siskiyou
38.569722	123.325 Sonoma
38.569722	-123.316667 Sonoma
38.569722	-123.31666 Sonoma
40.87486	-124.07663 Humboldt
40.8729	-124.07869 Humboldt
40.87767	-124.08028 Humboldt
40.87754	-124.08071 Humboldt
40.87278	-124.07795 Humboldt
40.87869	-124.08017 Humboldt
40.87555	-124.07701 Humboldt
40.87752	-124.07708 Humboldt
40.877459	-124.080731 Humboldt
40.8776	-124.081029 Humboldt

Upon arrival there was a small amount of liquid at manhole behind the house.
Overflow from manhole pick hole south of Jim Wilson Ford at 1545 S. Main
Manhole cover at intersection of S. Oregon and Florentine in front of 1212 S. Oregon Street.
Cleanout located in sidewalk in front of 1119 S. Oregon Street.
Wastewater coming from under steel plate, located on Gold Street on the east side of residence, where the property owner
Cleanout located in sidewalk in front of 1119 S. Oregon Street.
Small spill from cleanout ran down gutter to drainage inlet
Entered DI in front of 221 S. Oregon Street

Overflow from manhole at sewer main. Suspect that a plug in private lateral was pushed into main line because blockage
Cleanout on private property
Wastewater appeared through street pavement.
puddled in street
Spill emanated from a manhole at S. Oregon Street. Line was only partially plugged and flow was very slow. Public Work
manhole in residential yard
Overflow ran into a low area at the side of the street and stayed localized.

Manhole in street in front of 330 Oberlin Road.
Manhole in street at 723 Lane Street
Manhole

NE corner of Lawrence Ln. at Oregon St. Spill location is approximately 850 feet from receiving waters.

Small amount of effluent visible between manhole and storm drain inlet.

E. Lennox Street Bridge, east of Main Street, over Yreka Creek

Spill surfaced at 731 Lane St. and entered DI near 621 Lane St. Spill traveled in storm drain to a point near North St. at

Fisk Mill Day Use Area North Fisk Mill
Paved parking area at South Fisk Mill
Grassy area around holding tank and paved parking area adjacent, grassy area adjacent to paved area.
Wooded area near Science B Building

Wooded area north of Science A building on Humboldt State University Campus Arcata, Ca 95521
NE corner of Founders Hall in parking lot

er's lateral ties in to the City main. prope

3 was a diaper with roots in it. A plumbe

is Operators noticed flow and responder

Gold St. This was the recovery point. Dr
1

Other sewer system structure
Other sewer system structure
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Other (specify)
Other sewer system structure
Gravity sewer
Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Other (specify)
Manhole
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Building or structure
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Building or structure
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Manhole
Building or structure
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Lateral Clean Out (Private)

clean out
clean out

cleanout at street

Main line blockage overflowed liquids at manhole. Liquids entered dirt drainage ditch and was absorbed.

Flow first appeared at manhole near PPL driveway, where it overflowed in surrounding soil. Blockage moved downstream

Upon arrival there was a small amount of liquid at manhole behind the house.

overflow from pick hole on manhole cover

Cleanout with a steel plate cover.

cleanout

Overflow backed up through manhole.

Cleanout on private property

Wastewater appeared through street pavement.

Crushed sewer pipe in the middle of the street

Sewage entered an earthen ditch where curb should be.

Effluent exited manhole and flowed into storm drain.

Manhole full to 6" below rim, but only small trickle evident in street reaching storm drain inlet located approximately 3/4 m

Holding Tank lid

Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain
Unpaved surface
Surface water
Unpaved surface
Storm drain
Storm drain;Street/curb and gutter
Storm drain
Storm drain;Street/curb and gutter
Storm drain
Storm drain
Storm drain
Storm drain
Storm drain
Unpaved surface
Other paved surface
Other (specify below)
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Unpaved surface
Unpaved surface
Separate storm drain
Unpaved surface
Unpaved surface
Separate storm drain
Building or structure
Street/curb and gutter
Unpaved surface
Surface water
Street/curb and gutter;Unpaved surface
Other paved surface
Building or structure
Other (specify below)
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Unpaved surface
Other (specify below)
Other paved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Building or structure
Street/curb and gutter
Street/curb and gutter
Other paved surface
Separate storm drain
Other paved surface;Separate storm drain;Street/curb and gutter
Street/curb and gutter
Paved Surface;Street/Curb and Gutter

Liquid from manhole ran down street/gutters to DI at 611 Lane, unknown if discharge reached Yreka Creek
Storm drains are dry and drain inlet is approximately 1000ft from Yreka Creek. Therefore it is unknown if this small amount of liquids entered dirt drainage ditch and was absorbed.

Flow first appeared east of PPL driveway where it infiltrated into surrounding soil. Blockage moved downstream to Miner. The spill reached the drainage channel. All liquids were absorbed into the soil and then a shovel was used to scrape up the overflow. Overflow entered drain inlet on S. Main Street north of Greenhorn Creek. Wastewater was conveyed in the storm drain for

There is a total length of 1650 feet of culverts between DI and creek outlet.

N/A

There is a total length of 1650 feet of culverts between DI and outlet to creek.

storm drain inlet is approximately 1500 ft from Yreka Creek and upstream of newly installed hydrodynamic separator

Minor amount of liquid entered storm drain before crews arrived to dilute with water and clean the flow area.

The destination was into the lawn at both 820 Knapp and next door at 816 Knapp St.

Wastewater flowed east on Yuma St and north on 3rd Street. Wastewater evaporated and dried on hot pavement.

Spread out evenly on street pavement. Spill did not reach gutter line.

Flow evaporated before reaching any drainage inlets. Approximately 1 1/2 inch of gutter was damp.

Earthen ditch where curb should be. It did not reach a separate (i.e., not combined) storm drainpipe, as previously incorrect spill was confined to residential yard

Planter and lawn area

Wastewater flowed from manhole to earthen dirt, where curb should be, and infiltrated into the ground. Spill did not enter

Wastewater flowed from manhole to unlined roadside ditch where it infiltrated into the ground. Spill did not reach a drainage

Spill partly entered storm drain, however, was fully captured by Sewer Vac Truck. Original gallon spill/capture amount was

Wastewater flowed from manhole to roadside earthen ditch, (where curb & gutter should be) where it infiltrated into the soil

Due to blockage in main sewer line, wastewater backed up into resident's basement.

Yreka Creek

Puddled around manhole.

Enters drainage channel that infiltrates into subsurface at a point prior to other surface waters.

Grassy area around holding tank and adjacent paved parking area.

The spill came up from a clean out on the side of the building and ran into the paved parking lot...a small amount ran into

2/21/2008 1:00	2/21/2008 1:00	2/21/2008 1:15	2/21/2008 2:00
9/6/2007 8:30	9/6/2007 8:30	9/6/2007 8:45	9/6/2007 9:20
3/26/2008 7:14	3/26/2008 7:14	3/26/2008 7:30	3/26/2008 7:45
4/2/2008 9:25	4/2/2008 9:25	4/2/2008 9:30	4/2/2008 9:50
6/16/2008 8:50	6/16/2008 8:50	6/16/2008 9:00	6/16/2008 9:10
6/30/2008 10:50	6/30/2008 10:50	6/30/2008 11:02	6/30/2008 11:50
10/5/2008 19:15	10/5/2008 19:15	10/5/2008 19:35	10/5/2008 19:40
12/1/2008 8:45	12/1/2008 8:45	12/1/2008 8:55	12/1/2008 9:05
12/9/2008 7:40	12/9/2008 7:40	12/9/2008 7:45	12/9/2008 7:55
1/10/2009 11:05	1/10/2009 11:05	1/10/2009 11:17	1/10/2009 11:20
1/15/2009 0:00	1/15/2009 10:00	1/15/2009 10:10	1/15/2009 10:20
2/25/2009 10:04	2/25/2009 10:04	2/25/2009 10:15	2/25/2009 10:55
3/18/2009 15:25	3/18/2009 15:25	3/18/2009 15:35	3/18/2009 15:40
3/24/2009 8:23	3/24/2009 8:23	3/24/2009 8:29	3/24/2009 8:40
4/19/2009 10:52	4/19/2009 10:52	4/19/2009 10:58	4/19/2009 11:07
6/18/2009 10:20	6/18/2009 10:22	6/18/2009 10:25	6/18/2009 10:35
7/14/2009 7:05	7/14/2009 7:05	7/14/2009 7:20	7/14/2009 7:25
7/17/2009 12:15	7/17/2009 12:25	7/17/2009 12:45	7/17/2009 1:00
7/23/2009 7:40	7/23/2009 7:40	7/23/2009 8:00	7/23/2009 8:20
9/8/2009 14:22	9/8/2009 14:22	9/8/2009 14:32	9/8/2009 14:38
12/19/2009 11:08	12/19/2009 11:08	12/19/2009 11:12	12/19/2009 11:20
12/15/2009 16:17	12/15/2009 16:17	12/15/2009 16:20	12/15/2009 16:25
1/4/2010 16:30	1/4/2010 16:30	1/4/2010 16:35	1/4/2010 16:50
2/26/2010 7:44	2/26/2010 7:44	2/26/2010 7:44	2/26/2010 8:15
5/31/2010 10:15	5/31/2010 10:15	5/31/2010 10:30	5/31/2010 10:30
6/17/2010 10:55	6/17/2010 10:55	6/17/2010 11:15	6/17/2010 11:30
10/29/2010 11:35	10/29/2010 11:35	10/29/2010 11:47	10/29/2010 11:57
10/29/2010 7:15	10/29/2010 7:15	10/29/2010 7:30	10/29/2010 7:35
11/6/2010 8:43	11/6/2010 8:43	11/6/2010 8:55	11/6/2010 8:55
11/30/2010 13:00	11/30/2010 13:00	11/30/2010 13:00	11/30/2010 13:06
1/19/2011 13:20	1/19/2011 13:20	1/19/2011 13:40	1/19/2011 13:45
3/4/2011 9:17	3/4/2011 9:17	3/4/2011 9:20	3/4/2011 9:20
8/17/2011 10:40	8/17/2011 10:40	8/17/2011 10:50	8/17/2011 11:10
12/5/2011 14:28	12/5/2011 14:28	12/5/2011 14:33	12/5/2011 14:40
12/15/2011 15:27	12/15/2011 15:27	12/15/2011 15:37	12/15/2011 0:44
1/10/2012 15:10	1/10/2012 15:10	1/10/2012 15:40	1/10/2012 15:45
1/12/2012 10:35	1/12/2012 10:35	1/12/2012 10:50	1/12/2012 11:00
3/28/2012 10:20	3/28/2012 10:20	3/28/2012 10:25	3/28/2012 10:30
12/6/2012 14:46	12/6/2012 14:46	12/6/2012 15:00	12/6/2012 16:15
12/14/2012 11:50	12/14/2012 12:15	12/14/2012 12:00	12/14/2012 12:15
3/12/2013 11:05	3/12/2013 11:15	3/12/2013 11:20	3/12/2013 13:50
10/8/2013 7:35	10/8/2013 7:39	10/8/2013 7:45	10/8/2013 7:55
8/31/2007 0:00	8/31/2007 0:00	8/31/2007 0:00	8/31/2007 0:00
6/14/2009 0:00	6/15/2009 0:00	6/15/2009 0:00	6/14/2009 0:00
9/22/2009 0:00	9/22/2009 0:00	9/22/2009 0:00	9/22/2009 0:00
12/14/2010 9:00	12/14/2010 9:10	12/14/2010 9:15	12/14/2010 10:00
1/4/2007 9:45	1/4/2007 10:01	1/4/2007 10:15	1/4/2007 2:30
10/5/2007 1:00	10/5/2007 1:10	10/5/2007 1:30	10/5/2007 3:30
11/26/2007 11:00	11/26/2007 11:11	11/26/2007 11:30	11/26/2007 1:30
6/3/2008 8:00	6/3/2008 8:06	6/3/2008 8:20	6/3/2008 9:00
7/29/2008 10:00	7/29/2008 10:07	7/29/2008 10:25	7/29/2008 12:00
4/30/2012 13:50	4/30/2012 13:50	4/30/2012 13:55	4/30/2012 14:10
11/26/2012 15:15	11/26/2012 15:30	11/26/2012 15:35	11/26/2012 16:45
8/2/2013 8:50	8/2/2013 9:00	8/2/2013 9:10	8/2/2013 9:20
8/21/2013 12:30	8/21/2013 12:40	8/21/2013 12:50	8/21/2013 1:00

Debris
Debris
Debris
Debris
Debris
Grease deposition (FOG)
Debris
Grease deposition (FOG)
Other (specify below)
Debris-General
Debris-General
Debris-General
Debris-General
Other (specify below)
Grease deposition (FOG)
Debris-General
Other (specify below)
Other (specify below)
Other (specify below)
Debris-Rags
Other (specify below)
Debris-Rags
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Debris-General
Debris-Rags
Other (specify below)
Debris-Rags
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
Debris-Rags
Other (specify below)
Flow exceeded capacity
Other (specify below)
Debris-General
Debris-General
Debris-General
Debris-General
Debris-General
Debris-General
Root intrusion
Debris-General
Root intrusion
Debris-General

Diapers caused blockage in main sewer line
Grease, diapers, and paper towels clogged mainline

Unknown debris blocked main line.

Diapers and grease

Toilet paper and small amount of household grease

Grease and paper

Blockage consisted of diaper with roots intertwined. Operator believes that the blockage started in a private lateral and moved into the main sewer line.
Blockage in sewer main
gravel blockage
Crushed sewer pipe
Partially blocked line.
Soap and grease

Soap & Grease

Grease & soap

Grease and rags

Large roll (approximately 20 linear feet) of 6-inch high lawn edging.

Paper, soap, & grease

Public Works staff was cleaning a sewer main. The cleaning dislodged grease that flowed downstream in the sewer and caused a blockage.

Blockage caused by paper towels and plastic cup. Plug on 4 inch pipe on 6 inch sewer main under bridge was not present.
Large quantity of wet wipes.

Our crew was cleaning sewer lines up stream from this location and grease was dislodged, subsequently causing a blockage.

Holding tank capacity exceeded because of stuck toilet valve

Holding tank overflowed because toilet valve stuck and overfilled tank.

Main
Main
Main
Main
Main
Main
Other (specify below)
Main

Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Other (specify below)

Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Gravity Mainline
Other (specify below)
Other (specify below)
Other (specify below)

Main
Main
Upper Lateral
Main
Main
Main
Main
Main
Main
Main
Main

In the concrete box with a steel cover where the private lateral connects to the main line.

Main sewer line was plugged with gravel above a manhole. No wastewater was overflowing from manhole. Liquids appear

The edging that caused the blockage was in the sewer main between manholes.

Holding tank overflowed.

Holding tank overflowed because toilet valve stuck open and filled tank.

Spill emerged from manhole cover on holding tank.

pared at alligator cracks in sti

No

No

4 clay
6 clay
6 clay
4 clay
10 A/C
8 cast iron
4 Clay
6 PVC
6 Clay
4 AC
4 Clay
4 AC
4 Clay
6 Clay

6
6
4 clay
4 Clay
6 clay
8 Clay
6 clay
6 Transite
6 Clay
8 Transite
8 Transite
6 Clay
6 Transite
8 Transite
6 clay
6 Clay
6 clay
6 Transite
6 Cast Iron
6 Clay
6 Clay
6 Plastic
6 CLAY
6 Clay
6 Clay
6 Clay
6 Asbestos Concrete

6
6
6

50
50
50
80
45
50
60
40
45
50
80
55
50
70

80
5
70
70
50
60
50
30
40
60
60
70
30
50
60
60
50
40
80
35
50
25
60
60
50
50
600

Cleared blockage, restored flow. Washed area and disinfected.

washed down and disinfected street

street was cleaned and disinfected, blockage was cleared

Blockage was cleared and flow restored. Cleanup of area with water. Disinfectant used, but kept from entering surface w

The spill reached the drainage channel. All liquids were absorbed into the soil and then a shovel was used to scrape up th

Crews cleared blockage to restore flow. Crew cleaned and disinfected affected area.

N/A

Restored flow

washed and disinfected spill area

Solids were cleaned up and liquids were diluted with water and area was disinfected.

Public Works staff received call, responded immediately, cleared blockage, spoke to both property owners, completed re

Unblocked sewer main. Cleaned and disinfected area.

Cleaned and disinfected affected area. Replaced crushed section of sewer pipe.

The damp gutter was washed down and disinfected.

Cleaned up effluent, rinsed area, disinfected around manhole and gutter line.

Removed blockage in pipe with sewer rodder. Stopped overflow. Placed straw waddles. Vac Truck used to recover solids

Incident reported to me on the 15th. At that time the effluent had evaporated from the paved area.

2/21/2008 2:00

3/26/2008 0:00

4/2/2008 9:50

6/16/2008 9:10

7/3/2008 17:00

10/5/2008 19:40

12/1/2008 9:05

12/9/2008 7:55

1/10/2009 11:20

1/15/2009 10:20

2/25/2009 12:00

3/18/2009 15:40

3/24/2009 8:40

4/19/2009 11:07

6/18/2009 10:35

11/30/2010 13:06

3/4/2011 9:20

12/5/2011 18:00

1/12/2012 11:00

3/12/2013 13:50

9/22/2009 0:00

4/30/2012 14:50

11/26/2012 16:50

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Other (specify below)

Enforcement action against FOG source

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

add to next video inspection and routine maintenance list

Continue with routine maintenance - cleaning once per year. Inspect pipe w/ camera to determine interior pipe conditions
Grease deposition appears to be from adjacent restaurant. Investigation is ongoing. Restaurant will be contacted regarding

Washed and disinfected spill area.

N/A

Manhole will be installed at downstream connection with larger main to allow better cleaning of the main.

Location is added to list for regular maintenance.

Replaced plug in 4 inch pipe on top of 6 inch sewer main.

Holding tank to be pumped empty and facilities will be closed until further corrective action can be taken.

No

No
No
No
Yes
No
No
No
No
No
Yes
No
No
No
No

No

No
Yes

No

No

No

Yes
No

All liquids absorbed before reaching receiving water, no solids in overflow. Flow did not enter surface waters.

Flow entered receiving water. No visible evidence.

All liquids were absorbed into the soil and then a shovel was used to scrape up the contaminated soil. Area was disinfected. No visible indications of spill at Yreka Creek.

NA

N/A

NA

Overflow was more than .25 miles from waterway. No indication of flow reaching Yreka Creek.

not applicable

N/A - spill did not reach receiving water.

N/A - no flow reached a drainage inlet.

Did not reach receiving water. Spill did not enter a drainage ditch as previously reported.

Did not reach receiving water

n/a

No evidence that flow reached surface water. Spill location is approximately 3/4 mile from receiving water. Quantity that

Water was clear. Remnants of white paper visible on bottom of creek. Solids appeared to stay on the bank.

Drainage ditch was running clear clean water at the point used for vacuum recapture. No debris or brackish water visible.

No

No

No

No

Yes

No

No

No

No

No

No

No

No

No

No

No

No

Yes

No

Yes

No

Yes

No

na

n/a
n/a
n/a
N/A
NA
N/A
NA
NA
N/A
NA
NA
NA
NA
NA

NA

NA
NA

n/a

NA

na

unknown if discharge reached Yreka Creek

n/a

n/a

Yreka Creek

NA

Yreka Creek (Quantity of spill material that actually reached Yreka Creek after traveling approx 3025 ft. through storm dr

NA

NA

N/A

NA

NA

NA

NA

NA

NA

NA

NA

Yreka Creek

It did not reach surface water. It flowed into a dry roadside ditch and infiltrated into the soil.

N/A

Yreka Creek

N/A

Yreka Creek

N/A

Little Humbug Drainage

NA

Wooded area

na

na

na

na

na

Humboldt Bay

College Creek

Jolly Giant Creek

No water quality samples taken

No water quality samples taken

No water quality samples taken

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

Other (specify below)

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

NA

N/A
NA

Coliform MPN 25

None of the above

None of the above

None of the above

None of the above

None of the above

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

None of the above;Not applicable to this spill

No water quality samples taken;Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

None of the above

None of the above

None of the above

None of the above

Not applicable to this spill

None of the above

Not applicable to this spill

None of the above

No water quality samples taken

NA

N/A

Water samples were taken by Public Works staff and sent to lab in Redding for analysis. Results not available yet.

We used table 3, rate table flow out of vent

82348	3/26/2008 1:02
22508	4/2/2008 5:05
84255	6/16/2008 10:35
84823	6/30/2008 11:40
87201	10/5/2008 20:30
88574	12/1/2008 9:06
88774	12/9/2008 10:15
90205	1/10/2009 12:45
90344	1/15/2009 12:00
91643	2/25/2009 11:55
92352	3/18/2009 16:30
92481	3/24/2009 9:30
93073	4/19/2009 11:45
94454	6/18/2009 12:09
95006	7/14/2009 19:57

95185	7/23/2009 9:23
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98439	12/19/2008 11:55
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103326	5/31/2010 12:30
103696	6/17/2010 12:25
106505	10/29/2010 13:35
106504	10/29/2010 13:25
106680	11/6/2010 10:55
107179	11/30/2010 15:40
110375	1/19/2011 16:50
111315	3/4/2011 10:00

117214	12/5/2011 14:35
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120803	2/10/2012 16:21
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131520	3/12/2013 14:25
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94601

127150	11/27/2012 10:34
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Matt Bray, Maintenance Manager

5308412320

Sabrina Zink- Haz Mat Coord.

7078263302

1SSO11419	Active	654126 Stephen M Davidson	Certified
1SSO11419	Active	655939 Tim Latham	Certified
1SSO11419	Active	657968 Stephen M Davidson	Certified
1SSO11419	Active	711661 Tim Latham	Certified
1SSO11419	Active	714988 Stephen M Davidson	Certified
1SSO11419	Active	725752 Dan Lovett	Certified
1SSO11419	Active	740589 Tim Latham	Certified
1SSO11419	Active	745322 Tim Latham	Certified
1SSO11419	Active	747367 Tim Latham	Certified
1SSO11419	Active	748373 Tim Latham	Certified
1SSO11419	Active	767613 Tim Latham	Certified
1SSO11419	Active	776389 Tim Latham	Certified
1SSO11419	Active	780128 Tim Latham	Certified
1SSO11419	Active	792528 Tim Latham	Certified
1SSO11419	Active	800439 Tim Latham	Certified
1SSO11441	Active	715432 mike chapman	Certified
1SSO11441	Active	715437 Mike Chapman	Certified
1SSO11441	Active	717735 Mike Chapman	Certified
1SSO11441	Active	721502 Mike Chapman	Certified
1SSO11441	Active	723384 Mike Chapman	Certified
1SSO11441	Active	725407 Mike Chapman	Certified
1SSO11441	Active	727639 Mike Chapman	Certified
1SSO11441	Active	730216 Mike Chapman	Certified
1SSO11441	Active	730765 Mike Chapman	Certified
1SSO11441	Active	731126 Mike Chapman	Certified
1SSO11441	Active	731930 Mike Chapman	Certified
1SSO11441	Active	732843 Mike Chapman	Certified
1SSO11441	Active	732844 Mike Chapman	Certified
1SSO11441	Active	733640 Mike Chapman	Certified
1SSO11441	Active	734030 Mike Chapman	Certified
1SSO11441	Active	734808 Mike Chapman	Certified
1SSO11441	Active	737121 Mike Chapman	Certified
1SSO11441	Active	737796 Mike Chapman	Certified
1SSO11441	Active	739755 Mike Chapman	Certified
1SSO11441	Active	742661 Mike Chapman	Certified
1SSO11441	Active	744891 Mike Chapman	Certified
1SSO11441	Active	744892 Mike Chapman	Certified
1SSO11441	Active	745902 Mike Chapman	Certified
1SSO11441	Active	746785 Mike Chapman	Certified
1SSO11441	Active	747660 Mike Chapman	Certified
1SSO11441	Active	747735 Mike Chapman	Certified
1SSO11441	Active	747943 Mike Chapman	Certified
1SSO11441	Active	748273 Mike Chapman	Certified
1SSO11441	Active	748277 Mike Chapman	Certified
1SSO11441	Active	749819 Mike Chapman	Certified
1SSO11441	Active	750495 Mike Chapman	Certified
1SSO11441	Active	751756 Mike Chapman	Certified
1SSO11441	Active	752051 Mike Chapman	Certified
1SSO11441	Active	752270 Mike Chapman	Certified
1SSO11441	Active	752478 Mike Chapman	Certified
1SSO11441	Active	752796 Mike Chapman	Certified
1SSO11441	Active	755095 Mike Chapman	Certified
1SSO11441	Active	755098 Mike Chapman	Certified
1SSO11441	Active	755962 Mike Chapman	Certified
1SSO11441	Active	758406 Mike Chapman	Certified

[illegible]

Eureka, Ca	911787
HCSD office	231852
Eureka, Ca	460357
HCSD office	870154
Eureka, Ca 95503	194089
HCSD	131263
HCSD office	401374
HCSD office	775021
HCSD office	856759
H.C.S.D.	285745
HCSD office	704385
HCSD office	107616
HCSD office	555320
HCSD Office	432244
HCSD Office	802077
Brooktrails CSD	389984
Willits, CA	437927
Willits, CA	382609
Willits, CA	890794
Willits, CA	381406
Willits, CA	841950
Willits, CA	716479
Willits, CA	171122
Willits, CA	945732
Willits, CA	184966
Willits, CA	705384
Willits, CA	977437
Willits, CA	615816
Willits, CA	142033
Willits, CA	596127
Willits, CA	143189
Willits, CA	550204
Willits, CA	372275
Willits, CA	396277
Willits, CA	218815
Willits, CA	573329
Willits, CA	563422
Willits, CA	128559
Willits, CA	440651
Willits, CA	895551
Willits, CA	618901
Willits, CA	548570
Willits, CA	392598
Willits, CA	254532
Willits, CA	238796
Willits, CA	828282
Willits, CA	540657
Willits, CA	898728
Willits, CA	585840
Willits, CA	978701
Willits, CA	999218
Willits, CA	974345
Willits, CA	968391
Willits, CA	995219
Willits, CA	565487

13-Jul-07		25-Jul-07	7/25/2007
16-Aug-07		12-Jan-11	1/12/2011
24-Sep-07		11-Oct-07	10/11/2007
24-Jan-08		20-Dec-10	12/20/2010
18-Mar-08		1-Apr-08	4/1/2008
4-Sep-08		15-Sep-08	9/15/2008
2-Jul-09		20-Dec-10	12/20/2010
2-Oct-09		2-Dec-10	12/2/2010
8-Dec-09		8-Dec-09	12/20/2010
15-Jan-10		15-Jan-10	1/15/2010
20-Jun-11	6/20/2011	20-Jun-11	6/20/2011
25-Jan-12	1/25/2012	25-Jan-12	1/25/2012
16-Apr-12	4/16/2012	16-Apr-12	4/16/2012
11-Mar-13	3/11/2013	11-Mar-13	3/11/2013
31-Oct-13	10/31/2013	31-Oct-13	10/31/2013
26-Mar-08		26-Mar-08	3/26/2008
26-Mar-08		1-Feb-11	2/1/2011
21-May-08		21-May-08	5/21/2008
3-Jul-08		7-Jul-08	7/7/2008
24-Jul-08		25-Jul-08	2/2/2011
28-Aug-08		3-Sep-08	9/3/2008
8-Oct-08		21-Jan-09	2/2/2011
5-Dec-08		5-Dec-08	12/5/2008
19-Dec-08		19-Dec-08	12/19/2008
29-Dec-08		21-Jan-09	1/21/2009
15-Jan-09		21-Jan-09	1/21/2009
30-Jan-09		30-Jan-09	1/30/2009
30-Jan-09		30-Jan-09	1/30/2009
17-Feb-09		18-Feb-09	3/23/2009
24-Feb-09		24-Feb-09	2/24/2009
10-Mar-09		10-Mar-09	3/10/2009
5-May-09		18-May-09	5/18/2009
21-May-09		21-May-09	5/21/2009
22-Jun-09		22-Jun-09	2/1/2011
7-Aug-09		10-Aug-09	8/10/2009
21-Sep-09		21-Sep-09	9/21/2009
21-Sep-09		21-Sep-09	9/21/2009
21-Oct-09		21-Oct-09	10/21/2009
16-Nov-09		16-Nov-09	11/16/2009
18-Dec-09		18-Dec-09	12/18/2009
22-Dec-09		22-Dec-09	12/22/2009
29-Dec-09		29-Dec-09	12/29/2009
11-Jan-10		11-Jan-10	1/11/2010
11-Jan-10		11-Jan-10	1/11/2010
25-Feb-10		25-Feb-10	2/25/2010
11-Mar-10		11-Mar-10	3/11/2010
19-Apr-10		19-Apr-10	4/19/2010
29-Apr-10		29-Apr-10	4/29/2010
11-May-10	5/11/2010	11-May-10	5/11/2010
17-May-10	5/17/2010	17-May-10	5/17/2010
28-May-10	5/28/2010	28-May-10	5/28/2010
19-Jul-10	7/19/2010	19-Jul-10	7/19/2010
19-Jul-10	7/19/2010	19-Jul-10	7/19/2010
11-Aug-10	8/11/2010	11-Aug-10	8/11/2010
8-Nov-10	11/8/2010	8-Nov-10	11/8/2010

Category 3		600	
Category 3		500	500
Category 3		100	
Category 3		750	
Category 1		2255	0
Category 1		50	0
Category 3		50	50
Category 1		50	0
Category 3		425	425
Category 1		50	0
Category 3		300	0
Category 1		2400	0
Category 2		2600	0
Category 3		45	0
Category 3	300	300	0
Category 3		50	0
Category 1		7500	0
Category 3		10	0
Category 3		50	0
Category 3		10	0
Category 3		200	0
Category 1		110	30
Category 3		200	0
Category 3		350	350
Category 3		15	0
Category 3		1	0
Category 3		5	0
Category 3		25	0
Category 1		50	0
Category 1		3000	0
Category 3		5	0
Category 1		4000	0
Category 3		5	0
Category 3		10	0
Category 1		1000	950
Category 3		10	0
Category 3		200	0
Category 3		50	0
Category 3		500	0
Category 3		50	0
Category 3		100	0
Category 3		100	0
Category 3		10	0
Category 3		15	0
Category 3		12	0
Category 3		850	600
Category 3		30	30
Category 3		30	10
Category 3		75	0
Category 3		10	0
Category 1		1800	500
Category 3		20	20
Category 3		35	35
Category 3		1	0
Category 3		150	50

No	No
0 No	No
No	No
No	No
2255 Yes	Yes
50 Yes	Yes
0 No	No
50 Yes	Yes
0 No	No
50 Yes	Yes
0 No	No
2400 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
7500 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
30 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
2 Yes	No
3000 Yes	No
0 No	No
1000 Yes	No
0 No	No
0 No	No
1000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
1300 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No

[illegible]

Loma Drive
Bar View Ct.
Union and Sea Ave.
Meyers Ave
End of Moore Ave.
Fst. sewer lift station
2818 Harris Street
Intersection of Home Drive and Christopher
Union Street & Sea Avenue
Campton Road & Fern Street
Baily Street sewer lift station
End of North Street
End of London Drive
Wellington Street at Pleasant Street
End of Berry Road
Lupine Drive
golf course easement road
25660 Brooktrails Drive, Willits, CA 95490
24580 Lilac Road
Poppy Drive east of Salmon
24227 Lilac Road
Poppy Lane
25555 Poppy Drive
box culverts
26851 Oriole Drive
25025 Cobb Drive
25065 Brooktrails Drive
Box Culverts
Poppy Terrace
Madrone Lift Station
25134 Blue Jay Lane
1877 Primrose Drive
2010 Goose Rd.
25025 Cobb Drive
Madrone Lift Station
2030 Buckeye Drive
Lilac Place at Lilac Road
Poppy Drive south of Peacock
Easement Road East Side Lake Emily
25438 Poppy Drive
Birch Street to Easement M/H
Lilac Lane
Fox Road
Lilac Road and Lilac Circle
Daphne Way
Primrose Drive at Robin Circle
25461 Poppy Drive
26851 Oriole Drive
Goose Road at Goose Lane
2045 Buckeye Rd.
Brown Road cul-de-sac
24395 Lilac Road Incident 1
24395 Lilac Road Incident 2
Peacock Drive
1st manhole south of Peacock Rd on Poppy Dr

40.734167	124.211667 Humboldt
40.76	-124.182222 Humboldt
40.769722	124.175556 Humboldt
40.761369	124.177861 Humboldt
40.7853	124.135878 Humboldt
40.768092	124.163722 Humboldt
40.779856	-124.135725 Humboldt
40.740622	-124.148378 Humboldt
40.76971	-124.17548 Humboldt
40.767897	-124.157517 Humboldt
40.460214	-124.105704 Humboldt
40.801033	-124.136069 Humboldt
40.7288	-124.207597 Humboldt
40.782111	-124.123197 Humboldt
40.732744	-124.144536 Humboldt
39.4575	123.440833 Mendocino
39.510833	-123.400278 Mendocino
39.483889	123.618333 Mendocino
39.4375	123.485278 Mendocino
39.453889	123.4025 Mendocino
39.506667	123.480833 Mendocino
39.680833	-123.611389 Mendocino
39.641944	123.576667 Mendocino
39.699722	123.619722 Mendocino
39.566389	123.500833 Mendocino
39.530278	123.631944 Mendocino
39.557778	123.396111 Mendocino
39.699444	123.595 Mendocino
39.709722	-123.571389 Mendocino
39.6075	123.585833 Mendocino
39.572222	-123.466389 Mendocino
39.614444	-123.4975 Mendocino
39.558889	-123.581944 Mendocino
39.527778	-123.631944 Mendocino
39.608333	-123.583889 Mendocino
39.626389	-123.579444 Mendocino
39.647222	-123.420278 Mendocino
39.570278	-123.592778 Mendocino
39.635833	-123.486389 Mendocino
39.634167	-123.564444 Mendocino
39.434167	-123.592222 Mendocino
39.666944	-123.532778 Mendocino
39.620556	-123.401389 Mendocino
39.442222	-123.479722 Mendocino
39.651111	-123.623889 Mendocino
39.535	-123.495 Mendocino
39.63	-123.551944 Mendocino
39.566389	-123.500556 Mendocino
39.558333	-123.537778 Mendocino
39.605833	-123.581944 Mendocino
39.581944	-123.556944 Mendocino
39.643056	-123.555278 Mendocino
39.643056	-123.555278 Mendocino
39.539444	-123.519167 Mendocino
39.5725	-123.591944 Mendocino

This spill report was started by a previous General Manager. I have completed and certified the report to the best of my a

Heavily wooded and vegetated area at the end of London Drive.

Lupine Drive near tank # 3

manhole

House

area and creek by Madrone Sewer Lift Station

cul-de-sac at end of Brown Road

bility based on research I have done.

Manhole
Building or structure;Gravity sewer;Manhole
Force main or pressure sewer
Manhole
Force main or pressure sewer
Pump station
Gravity sewer
Manhole
Force main or pressure sewer
Manhole;Pump station
Manhole;Pump station
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole;Pump station
Gravity Mainline;Upper Lateral (Private)
Other sewer system structure
Manhole
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Pump station
Manhole
Manhole
Gravity sewer
Gravity sewer
Pump station
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Manhole;Pump station
Gravity sewer;Manhole
Manhole

Manhole in front of pump station

(1) On ground at upper cleanout at 6254 Berry Rd (2) Vegetated area at the end of Berry Rd.

sewer cleanout

Spill originated from a buried manhole which crew then excavated.

Other (specify below)
Building or structure;Street/curb and gutter
Other paved surface
Street/curb and gutter
Storm drain
Other (specify below)
Street/curb and gutter
Other (specify below)
Other (specify below)
Storm drain
Other (specify below)
Surface water
Other (specify below)
Other (specify below)
Unpaved surface
Unpaved surface
Surface water
Unpaved surface
Other (specify below)
Other paved surface
Street/curb and gutter
Other paved surface
Other paved surface
Surface water
Unpaved surface
Unpaved surface
Unpaved surface
Storm drain;Surface water
Storm drain
Surface water
Other paved surface
Surface water
Unpaved surface
Unpaved surface
Surface water
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Street/curb and gutter
Street/curb and gutter
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Storm drain;Unpaved surface
Unpaved surface
Other paved surface
Street/curb and gutter
Street/curb and gutter
Surface water
Unpaved surface
Unpaved surface
Street/curb and gutter
Other paved surface;Street/curb and gutter

Spill contained on side of road and did not drain into storm drain and marsh area as originally thought and faxed on DOH:

Entrance to Humboldt Bay

Spill went into a D.I. and immediately into a dry gulch area where it absorbed into the ground. Spill area was cleaned up.
Holding area on side of the road

Grassy area adjacent to sewer lift station

Large heavily wooded and vegetated area. appears to have been absorbed into the ground. The area has no defined drain
Gravel parking area adjacent to sewer lift station.

Willits Creek about 110' away, at the time was flowing high

Household basement bath: Reported to Insurance carrier 6/26/08 at 8:30am after inspecting the basement

would have reached storm drain if not stopped - only reached drainage channel

Would have reached storm drain but diverted into containment ditch

Spill entered storm drain. Storm drain empties into greenbelt forest (unpaved surface).

drainage channel drains into Upp Creek

6/18/2007 11:00	6/18/2007 11:00	6/18/2007 11:15	6/18/2007 11:15
6/26/2007 11:00	6/26/2007 11:00	6/26/2007 11:05	6/26/2007 11:10
9/7/2007 11:00	9/7/2007 11:00	9/7/2007 11:05	9/7/2007 11:07
12/4/2007 7:20	12/4/2007 7:20	12/4/2007 7:30	12/4/2007 9:00
3/14/2008 14:00	3/17/2008 13:15	3/17/2008 13:15	3/17/2008 13:15
8/30/2008 23:40	8/30/2008 23:40	8/30/2008 23:15	8/30/2008 23:50
7/2/2009 9:50	7/2/2009 9:55	7/2/2009 10:00	7/2/2009 10:45
9/28/2009 7:40	9/28/2009 7:40	9/28/2009 7:55	9/28/2009 7:55
11/30/2009 12:30	11/30/2009 12:30	11/30/2009 12:40	11/30/2009 12:32
1/9/2010 19:00	1/9/2010 19:00	1/9/2010 19:05	1/9/2010 19:10
6/19/2011 8:50	6/19/2011 9:00	6/19/2011 9:15	6/19/2011 9:20
1/21/2012 9:40	1/21/2012 9:40	1/21/2012 10:00	1/21/2012 10:40
4/15/2012 11:50	4/15/2012 11:50	4/15/2012 12:15	4/15/2012 14:00
3/10/2013 12:30	3/10/2013 12:30	3/10/2013 12:40	3/10/2013 13:00
10/23/2013 13:20	10/23/2013 13:20	10/23/2013 13:25	10/23/2013 13:35
2/25/2008 10:00	2/25/2008 10:00	2/25/2008 10:05	2/25/2008 10:30
10/15/2007 16:15	10/15/2007 16:15	10/15/2007 16:15	10/15/2007 17:15
5/20/2008 9:02	5/20/2008 9:05	5/20/2008 9:08	5/20/2008 9:15
6/25/2008 19:50	6/25/2008 19:50	6/25/2008 20:00	6/25/2008 20:10
7/21/2008 9:45	7/21/2008 9:45	7/21/2008 9:48	7/21/2008 10:05
8/28/2008 0:00	8/28/2008 8:10	8/28/2008 8:15	8/28/2008 8:25
10/7/2008 7:30	10/7/2008 8:00	10/7/2008 8:09	10/7/2008 8:15
12/4/2008 10:00	12/4/2008 10:00	12/4/2008 10:03	12/4/2008 10:15
12/19/2008 10:15	12/19/2008 10:15	12/19/2008 10:17	12/19/2008 10:30
12/27/2008 11:00	12/27/2008 13:58	12/27/2008 14:04	12/27/2008 14:20
1/15/2009 8:30	1/15/2009 8:30	1/15/2009 8:35	1/15/2009 8:40
1/30/2009 10:25	1/30/2009 10:28	1/30/2009 10:32	1/30/2009 10:35
1/29/2009 2:10	1/29/2009 2:10	1/29/2009 2:10	1/29/2009 2:18
2/16/2009 10:15	2/16/2009 10:15	2/16/2009 10:25	2/16/2009 10:40
2/23/2009 20:06	2/23/2009 20:06	2/23/2009 20:16	2/23/2009 20:46
3/9/2009 9:00	3/9/2009 9:05	3/9/2009 9:08	3/9/2009 9:15
5/5/2009 8:00	5/5/2009 8:01	5/5/2009 8:08	5/5/2009 8:50
5/21/2009 12:15	5/21/2009 12:20	5/21/2009 12:30	5/21/2009 12:35
6/22/2009 10:30	6/22/2009 10:40	6/22/2009 10:52	6/22/2009 11:10
8/7/2009 13:40	8/7/2009 13:40	8/7/2009 13:40	8/7/2009 13:50
9/19/2009 15:50	9/19/2009 15:50	9/19/2009 16:00	9/19/2009 16:20
9/20/2009 10:50	9/20/2009 10:50	9/20/2009 11:05	9/20/2009 11:25
10/20/2009 9:55	10/20/2009 10:00	10/20/2009 10:10	10/20/2009 10:25
11/15/2009 16:00	11/15/2009 16:00	11/15/2009 16:10	11/15/2009 17:30
12/18/2009 14:20	12/18/2009 14:20	12/18/2009 14:20	12/18/2009 14:25
12/19/2009 13:30	12/19/2009 13:30	12/19/2009 13:38	12/19/2009 14:15
12/24/2009 16:00	12/24/2009 16:00	12/24/2009 16:10	12/24/2009 16:45
1/10/2010 8:55	1/10/2010 8:55	1/10/2010 9:10	1/10/2010 9:45
1/8/2010 16:50	1/8/2010 16:50	1/8/2010 16:55	1/8/2010 17:05
2/25/2010 12:55	2/25/2010 12:55	2/25/2010 13:05	2/25/2010 13:30
3/11/2010 8:00	3/11/2010 8:00	3/11/2010 8:03	3/11/2010 8:10
4/19/2010 9:00	4/19/2010 9:00	4/19/2010 9:10	4/19/2010 9:15
4/29/2010 11:58	4/29/2010 11:58	4/29/2010 12:10	4/29/2010 12:13
5/7/2010 17:30	5/7/2010 17:30	5/7/2010 17:35	5/7/2010 17:45
5/17/2010 7:57	5/17/2010 7:57	5/17/2010 8:05	5/17/2010 8:07
5/28/2010 11:40	5/28/2010 11:45	5/28/2010 11:50	5/28/2010 12:42
7/17/2010 10:00	7/17/2010 10:00	7/17/2010 10:10	7/17/2010 10:10
7/18/2010 10:03	7/18/2010 10:03	7/18/2010 10:15	7/18/2010 10:15
8/9/2010 10:10	8/9/2010 10:10	8/9/2010 10:20	8/9/2010 10:22
11/7/2010 13:15	11/7/2010 13:15	11/7/2010 13:30	11/7/2010 13:30

Debris
Pipe structural problem/failure
Pipe structural problem/failure
Pipe structural problem/failure
Pipe structural problem/failure
Other (specify below)
Debris-General
Grease deposition (FOG)
Pipe structural problem/failure
Other (specify below)
Pump station failure
Debris-General
Grease deposition (FOG)
Other (specify below)
Grease Deposition (FOG)
Root intrusion
Root intrusion
Debris
Debris
Root intrusion
Root intrusion
Root intrusion
Debris
Root intrusion
Debris
Root intrusion
Debris-General
Debris-Rags
Root intrusion
Pump station failure
Root intrusion
Root intrusion
Root intrusion
Debris-General
Pump station failure
Debris-General
Debris-General
Debris-Rags
Root intrusion
Other (specify below)
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
Debris-Rags
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debris-General
Debris-Rags
Debris-Rags
Grease deposition (FOG)
Root intrusion

Lift station steel force main shear break
Power surge prior to outage caused electrical component failure

Multiple power outages due to earthquake. The District had 23 of 29 sewer lift stations and 6 of 12 water booster stations

Sewer main line filming will hopefully assist in determining cause.
Line joining two sewer wet wells at sewer lift station had blockage.

Heavy rainstorm (3); I had our crews out looking for problems because of the large storm because they flush rootballs dc

Rags and grease

Internal electrical problem in newly constructed lift station with new pumps

Storm surge washed large root ball down from higher elevation and it wedged in this line. This line was cleared about a v

PG&E power failure, alarm system failure followed by backup generator failure -- due to fluctuating voltage - second occu

Crew cleaning lines with new vacuum truck and jet pressure caused a spill from a manhole

rags got through filter screen and pump station failed
Debris once again got through screen and backup pump failed

Main

Other (specify below)

Other (specify below)

Main

Main

Other (specify below)

Gravity Mainline

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Pressure sewer main line.

Electrical component failure in sewer lift station control panel

Wet wells at sewer lift station.

No

6 clay
12 clay

6 clay
6 clay
6 clay
6 clay
6 clay
6 clay
6 Transite
6 AC
6
6 steel

6 clay
12 clay
6 clay
6 AC

clay
8 clay
8 clay

6 clay

6 clay

6 clay

40
40

30
35
30
30
30
30
45
40

30

40
40
30
40

35
45

30

30

40

Collapse of approx. 1200 of 8 AC sewer main-cause may have been from a earthquake the night before

Repaired broken steel force main

Utilized vacuum truck to control wet well until repairs were made to electrical and power was restored to normal

Repaired Ruptured Force Main

Hydrocleaned sewer main line and cleaned surrounding area

Placed on regular maintenance

Called Lisa Bernard, RWQCB PE, on Oct 16, 2007(followed up with letter Oct 16, 2008), called John Osborn at Mendocir

Again, turned over to our insurance carrier on 6/26/08; they accepted claim on 6/27/08; also reported to Lisa Beranard at

Reactivated lift station pumps

Other category checked in error; see mitigation activities later in report

Pumped out creek where spill went; very low, very low flow, and spill sitting on top of water

Used vac truck to pump out manhole and dumped back into a flowing manhole

4 bypass pump as well and in use currently

3/17/2008 0:00
8/31/2008 0:00

9/28/2009 0:00

1/9/2010 19:30

1/21/2012 10:40
4/15/2012 16:00

10/15/2007 17:15

10/7/2008 8:15

2/16/2009 10:40
2/23/2009 20:46

5/5/2009 8:50

8/7/2009 17:00

3/11/2010 8:10

5/28/2010 17:00

Plan rehabilitation or replacement of sewer;Repaired sewer
Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program;Other (specify below)

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance
Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Existing sewage lift station and force main failure are currently being replaced. Ongoing construction upgrade project.
Repaired electrical components that were damaged - This station has already been wired for the use of a portable generator.

Utilized generator to pump down sewer lift station and were able to prevent further spills

Will film sewer main line to attempt to determine cause of overflow

The following week we camera'd the entire section; replaced about 20' 15" pipe; we removed a rootball about the size of a basketball.

Will expand alarm response capabilities to detect problems in advance of failure

Installed 120' underground culvert to prevent any future spill from going into lake

Previously-installed containment wall and sandbags contained part of spill; creek where spill flowed pumped out; will investigate

clean every 6 months; raise buried manhole

No
No

No

No

Yes
Yes

No

No

No
No

No

Yes

No

No

none

Willits Creek was flowing very heavy during the storm

Creek running at 25cfs est.; no visible impact in daylight

Water already somewhat turbid due to storm in excess of 100 CFS all night

NA

No
No

No

No

No
No

No

No

No
No

No

No

No

No

NA
N/A

N/A
N/A
N/A

n/a

NA

NA
NA

NA

N/A

NA

NA

N/A

NA
Humboldt Bay Entrance

N/A
N/A
Elk River Drainage
None
North Humboldt Bay / Ocean
N/A
N/A

Willits Creek

NA

NA
Upp Creek

Lake Emily

Upp Creek

NA

Upp Creek

None impacted

Not applicable to this spill
No water quality samples taken

No water quality samples taken;Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

Spill flushed down Willits Creek during storm as the creek was high

E-coli

TC15FC

Not applicable to this spill
No water quality samples taken

No water quality samples taken;Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken

County Health Agency;Regional Water Quality Control Board

No water quality samples taken

No water quality samples taken

None of the above

per RWQCB instructions three sets of samples were drawn 5/5, 5/7 and 5/11

Results won't be known until Tuesday 6/1/10. Then will report.

82116	3/17/2008 15:00
86366	8/31/2008 4:30
94764	7/2/2009 11:30
96575	9/28/2009 9:30
98001	11/30/2009 13:45
100184	1/10/2010 1:30
113666	6/19/2011 13:00
120415	1/21/2012 11:00
122239	4/15/2012 16:30
131463	3/10/2013 14:30

0 11/11/1111 00:00

87246	10/7/2008 9:15
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92455	3/23/2009 10:20
91589	2/23/2009 20:50

93463	5/5/2009 9:40
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95523	8/7/2009 13:50
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101704	3/11/2010 9:47
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103286	5/28/2010 11:51
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Tim Latham, Maintenance Supervisor

7074434559

1SSO11441	Active	759534 Mike Chapman	Certified
1SSO11441	Active	766060 Mike Chapman	Certified
1SSO11441	Active	766062 Mike Chapman	Certified
1SSO11441	Active	766066 Mike Chapman	Certified
1SSO11441	Active	766071 Mike Chapman	Certified
1SSO11441	Active	766072 Mike Chapman	Certified
1SSO11441	Active	766073 Mike Chapman	Certified
1SSO11441	Active	766074 Mike Chapman	Certified
1SSO11441	Active	773176 Mike Chapman	Certified
1SSO11441	Active	773749 Mike Chapman	Certified
1SSO11441	Active	775161 Mike Chapman	Certified
1SSO11441	Active	777429 Mike Chapman	Certified
1SSO11441	Active	778336 Mike Chapman	Certified
1SSO11441	Active	785605 Mike Chapman	Certified
1SSO11441	Active	787086 Mike Chapman	Certified
1SSO11441	Active	792006 Lily Phoenix	Certified
1SSO11441	Active	794658 rmelluish	Certified
1SSO11441	Active	799801	Ready To Certify
1SSO11441	Active	800474	Ready To Certify
1SSO11441	Active	800520	Ready To Certify
1SSO11454	Active	708667 Dan Hunt	Certified
1SSO11454	Active	728494 Dan Hunt	Certified
1SSO11454	Active	746865 Dan Hunt	Certified
1SSO11454	Active	771619 Dan Hunt	Certified
1SSO11467	Active	654360 LINDA RUFFING	Certified
1SSO11467	Active	654369 LINDA RUFFING	Certified
1SSO11467	Active	658192 Linda Ruffing	Certified
1SSO11467	Active	707813 Linda Ruffing	Certified
1SSO11467	Active	728054 Linda Ruffing	Certified
1SSO11467	Active	729373 Linda Ruffing	Certified
1SSO11467	Active	732782 Linda Ruffing	Certified
1SSO11467	Active	736194 Linda Ruffing	Certified
1SSO11467	Active	737197 Linda Ruffing	Certified
1SSO11467	Active	749333 Linda Ruffing	Certified
1SSO11467	Active	749660 Linda Ruffing	Certified
1SSO11467	Active	752866 Linda Ruffing	Certified
1SSO11467	Active	757149 Linda Ruffing	Certified
1SSO11467	Active	770062 Linda Ruffing	Certified
1SSO11467	Active	773612 Linda Ruffing	Certified
1SSO11467	Active	777128 Linda Ruffing	Certified
1SSO11467	Active	787909 Michael Cimolino	Certified
1SSO11467	Active	788864 Michael Cimolino	Certified
1SSO11467	Active	792346 Michael Cimolino	Certified
1SSO11467	Active	793268 Michael Cimolino	Certified
1SSO11467	Active	797580	Ready To Certify
1SSO11467	Active	797582 John Smith	Certified
1SSO11467	Active	800381 John Smith	Certified
1SSO11467	Active	800732 John Smith	Certified
1SSO11490	Active	724523 Jeffrey Good	Certified
1SSO11490	Active	740965 Mark H. Walton	Certified
1SSO11491	Active	651066 Jim Montenegro	Certified
1SSO11491	Active	651584 Jim Montenegro	Certified
1SSO11491	Active	710831 Jim Montenegro	Certified
1SSO11491	Active	710875 Jim Montenegro	Certified
1SSO11491	Active	710880 Jim Montenegro	Certified

General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
General Manager
Administrative Assistant
supervisor

W/S Maintenance Supervisor
W/S Maintenance Supervisor
Water and Sewer Supervisor
W/S Maintenance Supervisor
CITY MANAGER
CITY MANAGER
City manager LRO
City Manager
LRO City Manager
LRO City Manager
LRO City Manager
LRO City Manager
LRO City Manager
City Manager
City Manager
City Manager
City Manager
City manager
City manager
City Manager
Superintendent
Superintendent
Superintendent
Public Works Manager

Operations Manager
Operations Manager
Operations Manager
Facility Engineer
Waste Water Manager
Utility System Superintendent
Utility System Superintendent
Utility System Superintendent
Utility System Superintendent
Utility System Superintendent

Willits, CA	363222
Willits, CA	316245
Willits, CA	290329
Willits, CA	810587
Willits, CA	571948
Willits, CA	767293
Willits, CA	288023
Willits, CA	597138
Willits, CA	591099
Willits, CA	384236
Willits, CA	449456
Willits, CA	447793
Willits, CA	281264
Willits, CA	805946
Willits, CA	530073
Willits, CA	140054
	12:00 762765

11:49	869150
10:42	970908
13:53	124441
12:59	774112
1523	810112
1518	745859
1508	163194
828	697774
2:12 PM	642488
12:58 PM	456486
1346	448891
11:38 AM	640043
1200	942739
11:19	767216
806	722050
4:28 PM	587584
4:27 PM	321593
10:52 AM	461571
829	289936
1336	404031
1549	391509
921	867422
1240	314564
1020	766599

1601	241925
11:31	668718
1430	233060

TRACEN Petaluma	369239
USCG Training Center, Petaluma	761673
7:57am	565370
11:20am	589106
City of Santa Rosa	985351
City of Santa Rosa	539841
City of Santa Rosa	614742

17-Dec-10	12/17/2010	17-Dec-10	12/17/2010
2-May-11	5/2/2011	2-May-11	5/2/2011
2-May-11	5/2/2011	2-May-11	5/2/2011
2-May-11	5/2/2011	2-May-11	5/2/2011
2-May-11	5/2/2011	2-May-11	5/2/2011
2-May-11	5/2/2011	2-May-11	5/2/2011
2-May-11	5/2/2011	2-May-11	5/2/2011
2-May-11	5/2/2011	2-May-11	5/2/2011
16-Nov-11	11/16/2011	16-Nov-11	11/16/2011
5-Dec-11	12/5/2011	5-Dec-11	12/5/2011
3-Jan-12	1/3/2012	3-Jan-12	1/3/2012
14-Feb-12	2/14/2012	14-Feb-12	2/14/2012
5-Mar-12	3/5/2012	5-Mar-12	3/5/2012
27-Aug-12	8/27/2012	27-Aug-12	8/27/2012
9-Oct-12	10/9/2012	9-Oct-12	10/9/2012
25-Feb-13	2/25/2013	25-Feb-13	2/25/2013
3-Jun-13	6/3/2013	3-Sep-13	9/3/2013
15-Oct-13	10/15/2013		
3-Nov-13	11/3/2013		
5-Nov-13	11/5/2013		
3-Dec-07		3-Dec-07	12/3/2010
27-Oct-08		27-Oct-08	12/3/2010
18-Nov-09		19-Nov-09	11/19/2009
30-Sep-11	9/30/2011	30-Sep-11	9/30/2011
18-Jul-07		18-Jul-07	7/18/2007
18-Jul-07		18-Jul-07	7/18/2007
28-Sep-07		28-Sep-07	9/28/2007
16-Nov-07		26-Nov-07	11/26/2007
17-Oct-08		17-Oct-08	10/17/2008
18-Nov-08		18-Nov-08	11/18/2008
29-Jan-09		30-Jan-09	1/30/2009
10-Apr-09		10-Apr-09	4/10/2009
7-May-09		1-Jun-09	6/1/2009
11-Feb-10		11-Feb-10	2/4/2011
23-Feb-10		26-Feb-10	2/26/2010
2-Jun-10	6/2/2010	23-Sep-10	9/23/2010
23-Sep-10	9/23/2010	23-Sep-10	9/23/2010
22-Aug-11	8/22/2011	22-Aug-11	8/22/2011
1-Dec-11	12/1/2011	1-Dec-11	12/1/2011
10-Feb-12	2/10/2012	10-Feb-12	2/10/2012
6-Nov-12	11/6/2012	6-Nov-12	11/6/2012
7-Dec-12	12/7/2012	7-Dec-12	12/7/2012
5-Mar-13	3/5/2013	5-Mar-13	3/5/2013
9-Apr-13	4/9/2013	15-Apr-13	4/15/2013
6-Aug-13	8/6/2013		
6-Aug-13	8/6/2013	6-Aug-13	8/6/2013
30-Oct-13	10/30/2013	30-Oct-13	10/30/2013
14-Nov-13	11/14/2013	14-Nov-13	11/14/2013
11-Aug-08		3-Sep-08	9/3/2008
13-Jul-09		16-Jul-09	7/16/2009
29-May-07		31-May-07	5/31/2007
8-Jun-07		11-Jun-07	6/11/2007
7-Jan-08		7-Jan-08	11/20/2008
8-Jan-08		8-Jan-08	1/8/2008
8-Jan-08		8-Jan-08	1/8/2008

Category 3		300	50
Category 3		15	0
Category 3		350	0
Category 3		100	0
Category 3		50	0
Category 3		200	0
Category 3		200	0
Category 3		20	0
Category 3		150	120
Category 3		20	15
Category 3		5	0
Category 3		5	0
Category 3		5	0
Category 3		10	10
Category 3		5	0
Category 3		30	15
Category 3		25	0
Category 3	40	40	15
Category 1	0	67	10
Category 3	67	67	10
Category 1		750	300
Category 1		200	200
Category 1		800	350
Category 3		50	50
Category 1		1500	1500
Category 3		3	3
Category 1		210	210
Category 1		500	20
Category 3		40	40
Category 3		40	40
Category 3		3	3
Category 3		12	10
Category 1		470	0
Category 1		54	30
Category 3		15	15
Category 3		10	10
Category 1		805	0
Category 1		500	300
Category 2		1500	1500
Category 3		35	35
Category 3		2	2
Category 3		225	200
Category 3		125	20
Category 3		20	20
Category 3		1	1
Category 3		1	1
Category 1	20	900	0
Category 1	0	45	0
Category 1		29000	0
Category 3		30	10
Category 3		10	10
Category 3		23	
Category 1		1860	0
Category 3		500	0
Category 1		1400	0

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
67 Yes	No
0 No	No
450 Yes	Yes
200 Yes	Yes
450 Yes	Yes
0 No	Yes
700 Yes	No
No	No
110 No	Yes
300 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
470 Yes	No
11 Yes	Yes
0 No	No
0 No	Yes
805 Yes	No
150 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
880 Yes	Yes
45 Yes	Yes
29000 Yes	No
0 No	No
No	No
No	No
1860 Yes	Yes
No	No
1400 Yes	Yes

No
Yes
No
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No

27151 Bear Circle
25810 Poppy Drive
Fawn Lily Trail
1970 Buckeye Drive
26118 Otter Drive
26326 Poppy Road
Lake Emily easement road
Clover Road
Primrose Lift Station
Primrose Drive at Robin Place
1797 Lupine Drive
25058 Brooktrails Drive
Primrose Drive dam easement
24271 Tulip Drive
Brooktrails Drive
3192 Primrose Drive
24860 Oerch way
camelia dr
2755 primrose dr willits ca 95490
2755 primrose dr willits ca
127 Thompson Ave.
Cindee Ct. & S. Orchard S.
145 Laws Ave Ukiah, Ca. 95482
SeiJi Way
Chestnut and Franklin Street Manhole
451 S.WHIPPLE ST. CLEANOUT
741 East Oak St
Cedar Street And Nancy Way
NORTH END OF HARRISON STREET
Behind 137 S. McPherson Street
230 Brandon Way
327 PARK STREET
19400 S. Harbor Drive
Chief Celeri Drive
Chief Celeri Drive
BEHIND 225 N MAIN ST.
CAITO FISHERIES
CEDAR ST. AND NANCY WAY
183 1/2 Grove St.
Walnut and Grove
226 and 236 Park St
660 N. Harold in Alley
136 E Oak St
1055 Chestnut St
Fort Bragg
FORT BRAGG CA
Cedar St and Nacy Way intersection (manhole)
1357 E OAK ST FORT BRAGG CA
US Coast Guard Training Center treated waste disposal system
US Caost Guard Training Center, Petaluma
3958 Saint Andrews Dr.
118 Brookwood Ave
City of Santa Rosa
Hansford Lift Station
Santa Rosa

39.511944	-123.657222 Mendocino
39.697778	-123.623889 Mendocino
39.463889	-123.494722 Mendocino
39.626111	-123.581111 Mendocino
39.55	-123.603056 Mendocino
39.625833	-123.533056 Mendocino
39.4675	-123.529722 Mendocino
39.433333	-123.383333 Mendocino
39.551111	-123.533889 Mendocino
39.548611	-123.495 Mendocino
39.6625	-123.461944 Mendocino
39.563889	-123.405 Mendocino
39.678889	-123.385 Mendocino
39.621944	-123.5475 Mendocino
39.548611	-123.399167 Mendocino
39.549167	-123.525556 Mendocino
39.433486	-123.383541 Mendocino
39.630556	-123.414444 Mendocino
39.42612	-123.38066 Mendocino
39.42612	-123.38066 Mendocino
39.128625	-123.206472 Mendocino
39.141747	-123.196917 Mendocino
39.126156	-123.206175 Mendocino
39.195281	-123.199075 Mendocino
39.436389	123.804722 Mendocino
39.437222	123.801111 Mendocino
39.44177	123.79687 Mendocino
39.44352	123.79198 Mendocino
39.450145	123.802093 Mendocino
39.441025	123.803923 Mendocino
39.45005	123.799219 Mendocino
39.438449	-123.797193 Mendocino
39.423671	-123.80497 Mendocino
39.443593	-123.80664 Mendocino
39.443593	-123.80664 Mendocino
39.443621	-123.806705 Mendocino
39.423689	-123.804971 Mendocino
39.443561	-123.79205 Mendocino
39.43484	-123.80009 Mendocino
39.43461	-123.79988 Mendocino
39.43942	-123.79675 Mendocino
39.44924	-123.79881 Mendocino
39.4417	-123.80542 Mendocino
39.4366	-123.79195 Mendocino
39.44801	-123.80863 Mendocino
39.44946	-123.80886 Mendocino
39.443594	-123.791947 Mendocino
39.44181	-123.78916 Mendocino
38.253333	-122.785 Sonoma
38.250669	-122.794181 Sonoma
38.516944	122.716944 Sonoma
38.439722	122.702778 Sonoma
38.435627	-122.597272 Sonoma
38.496533	-122.696656 Sonoma
38.448171	-122.746353 Sonoma

Immediately after vacuum truck cleaning under pressure, sewage entered a home without a sewer backflow device

pump station

Spill entered storm drain on Cindee Ct. and discharged into Mendocino Creek at bridge on S. Orchard St. Used Vac-Truck
Spill caused by Contractor, contractor relined a sewer lateral and the liner either came loose or it was too long because the
Seiji Way and Lake Mendocino Dr.

Manhole in intersection of Chestnut and Franklin St.

CLEANOUT IN RESIDENTS YARD

741 East Oak St at sewer clean out in gutter area

Manhole At Cedar Street & Nancy Way overflowed into storm drain. Flow went into cedar creek and eventually went into

DURING OUR BIWEEKLY SEWER INSPECTION WE DISCOVERED A SPILL AT THE NORTH END OF HARRISON ST

In the alley behind 137 S. McPherson Street, NO flow was seen at any time. It must have occurred during the night. A City

On the ground in the lawn area under a large hedge bush at the Clean out east of the basement bathroom of 230 Brandor

IN BACK YARD AT SEWER CLEAN OUT 30 FEET FROM CITY RIGHT OF WAY AND SMALL 1/2 GALLON PUDDLE UNDER

Manhole next to truck loading dock pit next to Caito Fisheries Building

Spill was forced to the alley surface through a seam in a utility ditch from pressure of the blockage downstream.

Behind 225 North Main

CUSTOMER CLEAN OUT WEST OF ADDRESS IN PARKING AREA OF ADJACENT PARCEL OVER FLOWED ON TO

AT CAITO FISHERIES AT THE MANHOLE NEXT TO THE TRUCK LOADING DOCK.

MANHOLE APPROX. 150' FROM THE INTERSECTION OF CEDAR ST. AND NANCY WAY

INSIDE RESIDENCE AT 183 1/2 GROVE STREET

UNDER HOUSE NEXT TO FOUNDATION

two wet areas in curb area in front of 226 and 236 Park St.

In the alley behind 665 N Harold

MANHOLE S.E. OF RESIDENCE IN ALLEY RIGHT OF WAY

Clean out in Concrete Driveway

CUSTOMER COMPLAINT ABOUT A SEWER PUGH

PLUG MH 703 WEST ST

manhole at intersection of Cedar Street and Nancy Way.

underground at creek crossing of secondary treated waste water disposal pipe.

MH112 manhole NW of Bldg 560, just off Ohio Ave near California Dr, near back drive to Galley, in grassy area.

1
1
1

k to capture 100% of spill.
new liner was in the main line and bloc

o pudding creek. Health department toc
TREET IN A FENCED OFF AREA OF T
employee that lives in the area drove dc
Way and inside the shower of that batl
UNDER HOUSE

GROUND SOME SOLIDS

1
1

Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Pump station
Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Gravity sewer
Pump station
Manhole
Manhole
Gravity Mainline;Manhole
Manhole
Manhole
Manhole
Gravity sewer
Gravity sewer;Manhole
Manhole
Gravity sewer
Other sewer system structure
Manhole
Manhole
Gravity sewer
Other (specify)
Other (specify)
Manhole
Other (specify)
Gravity sewer
Gravity sewer
Manhole
Manhole
Building or structure
Building or structure
Other (specify)
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Lateral Clean Out (Private)
Other (specify)
Manhole
Force main or pressure sewer
Manhole
Manhole
Pump station
Manhole

Sewage appeared in private residence across from manhole due to pressure from vacuum truck

pump airlocked and lost suction

Came out of a clean out on private property

741 East Oak St at sewer clean out
Overflow Out And Around Sewer Manhole lid

Clean out east of the basement bathroom of 230 Brandon Way and inside the shower of that bathroom.
AT CLEAN OUT IN BACK YARD AND SMALL PUDDLE UNDER HOUSE FROM LEAKING TOILET SEALING WAX RIN

Spill was forced to the alley surface through a seam in a utility ditch from pressure of the blockage down stream.

Sewer surfaced from shallow service lateral under side walk in gutter area.

Cleanout in Concrete Driveway

MANHOLE

na

LATERAL CLEAN OUT

Treated waste water spray disposal pressure line developed a leak into Stemple Creek but was obscured by heavy brush

Hansford Lift Station

Building or structure
Other paved surface
Unpaved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Unpaved surface
Other paved surface;Street/curb and gutter
Street/curb and gutter
Other paved surface
Unpaved surface
Other paved surface
Other paved surface
Building or structure
Unpaved surface
Paved Surface
Drainage Channel;Paved Surface;Street/Curb and Gutter;Unpaved surface
Unpaved surface
Surface water
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Unpaved surface
Storm drain
Other (specify below)
Unpaved surface
Street/curb and gutter
Other (specify below)
Other (specify below)
Surface water
Other (specify below)
Other paved surface
Storm drain
Surface water
Surface water
Building or structure
Unpaved surface
Street/curb and gutter
Unpaved surface;Other (specify below)
Unpaved surface
Street/curb and gutter
Street/curb and gutter
Other paved surface
Surface Water
Combined Storm Drain (Combined CS only)
Surface water
Unpaved surface
Storm drain
Storm drain;Street/curb and gutter
Surface water
Unpaved surface;Other (specify below)
Surface water

100 % of spill was captured and was returned to collection system.
Doolan Creek (Dry)
Fully captured and returned to sanitary system.
Dry drainage ditch and did not make it into surface water.

Cedar Creek To Pudding Creek to Ocean

Sewer pooled in alley at the center of the south end of the alley
Grass area next to hedge and in the bottom of the bathroom shower.
LAWN AREA AND ON PLASTIC LINED AREA UNDER HOUSE

Old mill Pond that receives water from the City Storm Drain System.

CLEANED ALL REMNANTS OF SPILL LESS THAN 10 GALLONS ON GROUND WITH ABOUT 2 GALLONS OF THE 8

Puddled into low spot in alley against a grass berm.

Treated water flowed downstream and was considered not recoverable.

Oakmont Creek
Surrounding hillside area

12/16/2010 14:30	12/16/2010 14:30	12/16/2010 14:31	12/16/2010 14:35
4/14/2008 10:10	4/14/2008 10:10	4/14/2008 10:12	4/14/2008 10:20
4/14/2008 7:58	4/14/2008 8:06	4/14/2008 8:05	4/14/2008 8:25
4/10/2008 11:38	4/10/2008 11:38	4/10/2008 11:45	4/10/2008 12:15
11/23/2007 13:30	11/23/2007 13:30	11/23/2007 13:35	11/23/2007 14:05
11/12/2007 10:30	11/12/2007 10:30	11/12/2007 10:35	11/12/2007 11:00
9/12/2007 9:00	9/12/2007 9:00	9/12/2007 9:05	9/12/2007 9:15
6/10/2007 12:10	6/10/2007 12:10	6/10/2007 12:13	6/10/2007 12:20
11/16/2011 8:05	11/16/2011 8:15	11/16/2011 8:22	11/16/2011 8:30
12/3/2011 4:45	12/3/2011 5:00	12/3/2011 5:10	12/3/2011 5:20
1/1/2012 15:50	1/1/2012 16:00	1/1/2012 16:10	1/1/2012 16:20
2/13/2012 8:45	2/13/2012 8:45	2/13/2012 8:45	2/13/2012 8:55
3/4/2012 7:50	3/4/2012 7:50	3/4/2012 7:55	3/4/2012 8:00
8/25/2012 9:50	8/25/2012 10:00	8/25/2012 10:15	8/25/2012 10:30
10/6/2012 16:15	10/6/2012 16:25	10/6/2012 16:30	10/6/2012 16:40
2/23/2013 22:21	2/23/2013 22:26	2/23/2013 22:30	2/23/2013 22:40
5/31/2013 11:27	5/31/2013 11:30	5/31/2013 11:34	5/31/2013 11:40
10/14/2013 12:30	10/14/2013 12:30	10/14/2013 12:40	10/14/2013 12:50
11/3/2013 8:35	11/3/2013 8:35	11/3/2013 8:45	11/3/2013 9:07
11/3/2013 8:35	11/3/2013 8:35	11/3/2013 8:45	11/3/2013 9:07
11/30/2007 10:58	11/30/2007 11:00	11/30/2007 11:15	11/30/2007 11:30
10/25/2008 11:15	10/25/2008 11:30	10/25/2008 11:50	10/25/2008 12:20
11/18/2009 16:50	11/18/2009 17:50	11/18/2009 18:15	11/18/2009 19:15
9/29/2011 16:00	9/30/2011 10:00	9/30/2011 10:20	9/30/2011 11:00
7/17/2007 7:30	7/17/2007 7:38	7/17/2007 7:45	7/17/2007 7:55
7/17/2007 12:55	7/17/2007 13:02	7/17/2007 13:10	7/17/2007 12:55
9/27/2007 19:00	9/27/2007 19:05	9/27/2007 19:15	9/27/2007 0:30
11/16/2007 6:50	11/16/2007 6:50	11/16/2007 7:20	11/16/2007 7:25
10/10/2008 9:40	10/10/2008 9:40	10/10/2008 9:40	10/10/2008 10:35
11/18/2008 7:25	11/18/2008 7:30	11/18/2008 7:50	11/18/2008 7:50
1/7/2009 15:45	1/7/2009 15:45	1/7/2009 15:53	1/7/2009 16:50
4/9/2009 10:00	4/9/2009 10:07	4/9/2009 10:12	4/9/2009 10:24
5/6/2009 8:10	5/6/2009 8:17	5/6/2009 8:35	5/6/2009 8:57
2/11/2010 7:00	2/11/2010 7:28	2/11/2010 7:34	2/11/2010 7:38
2/17/2010 15:53	2/17/2010 15:55	2/17/2010 16:02	2/17/2010 16:11
6/1/2010 12:15	6/1/2010 12:20	6/1/2010 12:23	6/1/2010 12:30
9/23/2010 0:00	9/23/2010 10:31	9/23/2010 10:38	9/23/2010 10:57
8/20/2011 16:50	8/20/2011 16:55	8/20/2011 16:58	8/20/2011 17:05
11/21/2011 10:15	11/21/2011 15:14	11/21/2011 15:20	11/21/2011 15:55
2/5/2012 13:00	2/5/2012 13:05	2/5/2012 13:15	2/5/2012 14:15
11/6/2012 14:09	11/6/2012 14:09	11/6/2012 14:14	11/6/2012 14:15
12/6/2012 14:15	12/6/2012 14:15	12/6/2012 14:20	12/6/2012 14:30
3/2/2013 10:55	3/2/2013 10:55	3/2/2013 11:00	3/2/2013 11:20
4/9/2013 9:30	4/9/2013 9:30	4/9/2013 9:41	4/9/2013 9:56
8/6/2013 11:17	8/6/2013 11:17	8/6/2013 11:26	8/6/2013 12:00
8/6/2013 11:26	8/6/2013 11:26	8/6/2013 11:26	8/6/2013 11:27
10/29/2013 19:00	10/29/2013 19:12	10/29/2013 19:27	10/29/2013 19:30
11/13/2013 20:23	11/13/2013 20:23	11/13/2013 20:30	11/13/2013 21:15
5/13/2008 8:30	5/16/2008 12:30	5/16/2008 13:00	5/16/2008 13:05
7/10/2009 11:15	7/10/2009 11:20	7/10/2009 11:25	7/10/2009 11:20
5/29/2007 8:00	5/29/2007 8:40	5/29/2007 8:55	5/29/2007 9:15
6/8/2007 13:50	6/8/2007 13:50	6/8/2007 13:50	6/8/2007 14:10
1/4/2008 11:20	1/4/2008 11:20	1/4/2008 13:50	1/4/2008 14:30
1/4/2008 2:30	1/4/2008 2:30	1/4/2008 3:00	1/4/2008 3:15
1/4/2008 11:30	1/4/2008 11:30	1/4/2008 12:10	1/4/2008 12:40

Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-Rags
Pump station failure
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Pump station failure
Debri-General
Debris-General
Debris-Rags
Debris-Rags
Other (specify below)
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Root intrusion
Other (specify below)
Root intrusion
Debri-Rags
Debri-Rags
Grease deposition (FOG)
Pipe structural problem/failure
Other (specify below)
Debri-Rags
Vandalism
Root intrusion
Debri-General
Debri-General
Other (specify below)
Other (specify below)
Root intrusion
Debri-Rags
Other (specify below)
Debris-Rags
Debris from Lateral
Pipe structural problem/failure
Operator error
Pipe structural problem/failure
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Root intrusion

Raggs in Line

Out of town contractor had relined a sewer lateral today and the liner either came loose or it was to long because the liner Contractor left a sewer plug (Pig) in new sewer mainline.

Grease and paper towels combined (mixed into a glob).

SEWER BACKED UP FROM OTHER REPORTED SSO IN AREA SAME DAY.

Paper towels and grease mixed

A large U-Haul truck was parked in the alley behind 137 S. McPherson, partially blocking the normal flow of vehicles driving. Hedge root grew into customer lateral connection at main line

UNKNOWN VIDEO SYSTEM ON 6-2-10. NO SIGN OF WHAT CAUSED BLOCKAGE.

SOFTBALL RETRIEVED FROM SEWER LINE COVERED IN GREASE.

Unknown to evidence of what caused blockage

Unknown

Spill was caused by vac truck while removing liquid from manhole.

Grease, rags

Pressurized pipe conveying secondary treated waste water developed a leak in a stream bed covered by thick brush and roots.

Handy wipes, towelettes

This call came in as a water leak, which explains length of response time on site. Combination of heavy storm flow and pressure. Heavy storm weather caused power outage; Lift Station did not transfer to back up generator power, causing lift station to back up.

Lower Lateral
Main
Main
Main
Main
Main
Main
Main
Other (specify below)
Main
Main
Main
Main
Main
Main
Other (specify below)
Main
Gravity Mainline
Gravity Mainline
Gravity Mainline
Main
Main
Main
Main

Main
Lower Lateral
Other (specify below)
Main
Main
Main
Main
Other (specify below)
Main
Main
Main
Main
Main
Main
Main
Main
Lower Lateral
Main
Main
Gravity Mainline
Gravity Mainline
Other (specify below)
Main

o overflow highly diluted wastewater to surround

Pump station

pump station

Contractor Error

Right at the Sewer Main Connection

MAIN LINE AT POINT OF LOWER LATERAL ENTRY.

Presurized pipe conveying secondary treated waste water developed a leak in a stream bed covered by thick brush.

ding hill side area. Area was cleaned up of any traces of spill. Closest water way is Mark West Creek located 1/2 mile from

No
No
No

6 clay
6 clay
6 clay

6 PVC
6
6 pvc
8 ACP
4 PLASTIC
6 fiber glass slip lined
6 Clay

6 Clay
6 Clay
8 Asbestos Cement
6 Clay
Clay
6 Clay
8 ASBESTO CEMENT

6 CLAY
6 CLAY
8 clay
6 Clay
6 CLAY
4

No
No

8 clay
8 PL
6 Cast Iron
8 PVC

1 spill. After further investiga

45
45
54

16

1
60
5
2
60

60
50
35
80
80
85
40

45
50
50
60
60

600

35
23

Inspected sewer using CCTV to determine cause;Returned all or portion of spill to sanitary sewer system;Other (specify b
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Contained all or portion of spill;Inspected sewer using CCTV to determine cause
Inspected sewer using CCTV to determine cause
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause
Inspected sewer using CCTV to determine cause
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

Contained all or portion of spill;Restored flow;Returned Portion of Spill to Sanitary Sewer System

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Other (specify below)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill)
Cleaned-Up;Restored flow
Cleaned-Up;Mitigated Effects of Spill;Restored flow
Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Restored flow;Other (specify below)
Other (specify below)
Inspected sewer using CCTV to determine cause;Restored flow;Other (specify below)

Professional spill cleaners (ServiceMaster) hired to clean residence; cleaned lines with vacuum truck

Washed down area and vacuumed up all remaining liquid.

WHEN ARRIVED NO FLOW PRESENT. . REMOVED ALL LIQUIDS, TOILET PAPER AND GRASS AROUND CLEAN

Next day we video inspected and cut roots at main connection. There where also roots to the upstream side as well near
Cleaned and then applied BIO Bugs spray to consume any sewer residue in truck loading dock pit.

This system area is visdually inspeced bi-weekly currently. Used Consume Bio-Bug consuming agent on damp areas aft

Cleared blocked line with sewer vac truck and restored flow

Pipe taken out of service and secured until repairs can be completed.

Force main had a break in the pipe. City crew responded to make repairs.
100% of spill was retrieved from storm drain and retuned back to sanitary sewer.
Cleaned all sewer collection system around surrounding area
Area was cleaned up of any traces of spill.
Cleaned affected mains, upgrade cleaning frequency, rodding. Sewer main is schduled to be lined this year

11/3/2013 18:21

11/30/2007 12:30

10/25/2008 2:45

11/18/2009 0:30

7/17/2007 9:55

9/27/2007 20:20

11/16/2007 9:05

5/6/2009 9:47

2/11/2010 8:28

9/23/2010 12:00

8/20/2011 20:00

11/21/2011 16:00

10/29/2013 19:30

11/14/2013 10:17

5/16/2008 14:00

1/4/2008 17:20

1/4/2008 15:30

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Inspected Sewer

Added sewer to preventive maintenance program
Adjusted schedule/method of preventive maintenance
Repaired sewer;Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program
Added sewer to preventive maintenance program

Other (specify below)
Adjusted schedule/method of preventive maintenance

Other (specify below)
Other (specify below)
Added sewer to preventive maintenance program

Inspected Sewer Using CCTV to Determine Cause
Inspected Sewer Using CCTV to Determine Cause
Plan rehabilitation or replacement of sewer

Other (specify below)

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Had to dig up street and remove liner from mainline.

THIS SYSTEM AREA IS VISUALLY INSPECTED BI-WEEKLY AND IS FLUSHED MONTHLY. IT LOOKS LIKE A SYSTI

This system is flushed monthly now. We are going to Video inspect the line when weather permits.

Field #46 Below Overall Spill Description: Spill was forced to the alley surface through a seam in a utility ditch from pre

SYSTEM IS CURRENTLY MONITORED TWICE WEEKLY AND FLUSHED MONTHLY. WAS FLUSHED 9-7-2010 TO E
A SOFTBALL BLOCKAGE IS HOPEFULLY A ONE TIME OCCURRENCE

Inspection and maintenance projected was out for bids, added repairs to scope of work.

Revised Corrective Action: As of Nov 2008 our ongoing CIP program has made all necessary repairs to mitigate this prot

No

No
No
Yes

No

No
No

No
Yes

Yes
No
No

No
No
No

No

No

None Creek Bed was Dry!

None

NONE

No visible sewage could be seen in the storm drain system after clean up
sewage was carried by semi fast moving storm flow down creek. No sign of any spill in Pudding Creek.

None

City inspected river under dock at time of spill and due to river color of muddy water from recent high rains a plume of an
No visible sewage in Pond. This is due to Storm system running at hi flow from prior rainy days.

none

NONE, CALLED OES REGARDLESS OF SITUATION

NO VISIBLE IMPACTS TO SURFACE WATER. FISH CLEANING ACTIVITIES FROM BOAT UNLOADING WAS ALSO
NO SIGNS OF SEWER IN CREEK FLOW DUE TO SEWAGE LIQUID BEING CLEAR

none

N/A

No noticeable impact.

High algae content in water dissipating quickly.

Creeks were running high, no evidence of wastewater

Walked the creek, no signs of spill, high creek flows due to storm

No No

No
No
No

No

No
No

No
No

No
No
No

No No
No No
No

No

No

N/A
N/A
N/A

NA

na
NA

NA
NA

none
N/A

NA

N/A
NA

None

Unnamed tributary that flows into the Russian River

No Impact, Mendocino Creek bed was dry!

Doolan Creek (Dry)

None impacted!

NA

na

NA

Noyo River. In response to signage County health directed us to only post if people were present in the area. It was rain
Old mill Pond that receives water from the City Storm Drain System.

NOYO RIVER

CEDAR CREEK

none

N/A

N/A

NA

NONE

Cedar Creek to Pudding Creek

Stemple Creek

Oakmont Creek

College Creek

No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken

Not applicable to this spill

No water quality samples taken
No water quality samples taken

Biological indicator(s) - specify below
No water quality samples taken

Biological indicator(s) - specify below
Not applicable to this spill
No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken

Other (specify below)

Biological indicator(s) - specify below

N/A

Fecal and E. Coli where the tests specified by the County Health Department

B.O.D. COLI FORM, TURBIDITY

COLI-F15 N-ORG NH3-D P-TOT TSS TURB BODS NO3

COLI-F15 COLI-T15 N-ORG NH3-D P-TOT TSS TYRB BIDS NO3

No water quality samples taken

None of the above

None of the above

None of the above

No water quality samples taken

None of the above

No water quality samples taken

County Health Agency;Regional Water Quality Control Board

No water quality samples taken

County Health Agency

None of the above

None of the above

No water quality samples taken

No water quality samples taken

No water quality samples taken

None of the above

None of the above

N/A

Results of Fecal will not be ready until Saturday. We also did turbidity test of all samples as a comparison. Coli form test

GPM out of manhole lid
GPM coming out of manhole lid

ts where also done. Update 6-01-2009, all test results where comparable to flows and conditions of the river during regulæ

visual estimation
VISUAL

77469	12/3/2007 13:58
87704	10/25/2008 2:45
97794	11/18/2009 21:34
115807	9/30/2011 11:59
74276	7/17/2007 11:25

75933	9/28/2007 14:10
77090	11/16/2007 9:50

93480	5/6/2009 9:25
101094	2/11/2010 13:45

103353	6/1/2010 1:36
105718	9/23/2010 11:38
114972	8/22/2011 9:40
116940	11/22/2011 8:15

136720	10/29/2013 20:15
137036	11/14/2013 10:00
Aug-77	5/29/2008 14:00
94928	7/10/2009 12:00
73255	5/29/2007 10:10
73484	6/8/2007 15:15
80084	1/4/2008 15:26
80097	1/4/2008 4:35
80072	1/4/2008 1:35

robert melluish supervisor
Robert Melluish
robert melluish supervisor

7084592494
7078417604
778417604

John Smith Operations Manager
Mike Hanlon

7078138029
7076962844

1SSO11491	Active	711659 Jim Montenegro	Certified
1SSO11491	Active	712721 Jim Montenegro	Certified
1SSO11491	Active	713985 Jim Montenegro	Certified
1SSO11491	Active	724335 Jim Montenegro	Certified
1SSO11491	Active	727805 Jim Montenegro	Certified
1SSO11491	Active	731734 Jim Montenegro	Certified
1SSO11491	Active	738839 Jim Montenegro	Certified
1SSO11491	Active	739983 Jim Montenegro	Certified
1SSO11491	Active	743064 Jim Montenegro	Certified
1SSO11491	Active	743863 Jim Montenegro	Certified
1SSO11491	Active	744049 Jim Montenegro	Certified
1SSO11491	Active	746064 Jim Montenegro	Certified
1SSO11491	Active	750115 Jim Montenegro	Certified
1SSO11491	Active	751771 Jim Montenegro	Certified
1SSO11491	Active	752063 Jim Montenegro	Certified
1SSO11491	Active	758976 Jim Montenegro	Certified
1SSO11491	Active	760005 Jim Montenegro	Certified
1SSO11491	Active	769743 Jim Montenegro	Certified
1SSO11491	Active	782784 Jim Montenegro	Certified
1SSO11491	Active	787813 Jim Montenegro	Certified
1SSO11491	Active	792368 Jim Montenegro	Certified
1SSO11491	Active	797745 Jim Montenegro	Certified
1SSO11491	Active	798932 Jim Montenegro	Certified
1SSO11491	Active	801139	Submit Draft
1SSO11555	Active	734918 Ricahrd Stover	Certified
1SSO11555	Active	746457 Keith Vanrillaer	Certified
1SSO11555	Active	752083 Keith VanRillaer	Certified
1SSO11555	Active	752803 Keith VanRillaer	Certified
1SSO11555	Active	763097 Keith VanRillaer	Certified
1SSO11555	Active	763098 Keith Vanrillaer	Certified
1SSO11555	Active	763099 Keith VanRillaer	Certified
1SSO11555	Active	764949 Keith VanRillaer	Certified
1SSO11555	Active	766830 Keith VanRillaer	Certified
1SSO11555	Active	771936 Keith VanRillaer	Certified
1SSO11555	Active	785639 Keith VanRillaer	Certified
1SSO11555	Active	790877 Keith VanRillaer	Certified
1SSO11555	Active	792924 Keith VanRillaer	Certified
1SSO11603	Active	716360 Henry A. Ebinger	Certified
1SSO11603	Active	731452 Hank Ebinger	Certified
2SSO10087	Active	650443 Matthew Naclerio	Certified
2SSO10087	Active	654602 Matthew T. Naclerio	Certified
2SSO10087	Active	654828 Matthew T. Naclerio	Certified
2SSO10087	Active	655650 Matthew T. Naclerio	Certified
2SSO10087	Active	657586 Matthew T. Naclerio	Certified
2SSO10087	Active	712084 Matthew T. Naclerio	Certified
2SSO10087	Active	714443 Matthew T. Naclerio	Certified
2SSO10087	Active	720102 Matthew T. Naclerio	Certified
2SSO10087	Active	721527 Matthew T. Naclerio	Certified
2SSO10087	Active	724275 Matthew T. Naclerio	Certified
2SSO10087	Active	731623 Matthew T. Naclerio	Certified
2SSO10087	Active	733612 Matthew T. Naclerio	Certified
2SSO10087	Active	734628 Matthew T. Naclerio	Certified
2SSO10087	Active	734814 Matthew T. Naclerio	Certified
2SSO10087	Active	734817 Matthew T. Naclerio	Certified
2SSO10087	Active	734912 Matthew T. Naclerio	Certified

Utility System Superintendent
Utility System Suuperintendent
Utility System Superintendent
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Utility System Superintendent
Utility System Superintendent

Operator
Operator
Cheif Plant Operator
Cheif Plant Operator
Cheif Plant Operator
Cheif Plant Operator
Cheif Plant Operator
Chief Plant Operator
Chief Plant Operator
Chief Plant Operator
Operator
Operator
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Director of Public Works
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Public Works Dirrector
Public Works Director
Public Works Director

City of Santa Rosa	919466
City of Santa Rosa	826535
City of Santa Rosa	663813
City of Santa Rosa	736168
City of Santa Rosa	174715
City of Santa Rosa	990152
City of Santa Rosa	247013
City of Santa Rosa	394822
City of Santa Rosa	142108
City of Santa Rosa	189027
City of Santa Rosa	431156
City of Santa Rosa	676396
City of Santa Rosa	605069
City of Santa Rosa	629708
City of Santa Rosa	555584
City of Santa Rosa	841860
City of Santa Rosa	559197
City of Santa Rosa	853341
City of Santa Rosa	541513
City of Santa Rosa	658610
City of Santa Rosa	451284
City of Santa Rosa	872534
City of Santa Rosa	826173

Gualala, CA	680222
Home computer	158917
Home Copmputer	988030
Home Computer	127957
Office	701616
Office	245622
Office	791571
Office	288775
Office	145362
Office	935421
Office	762111
Office	873982
Office	922529
Tulelake, California	638826
Tulelake, California	277893
Alameda, CA	516882
Alameda, CA	306035
Alameda, CA	371409
Alameda	621271
Alameda, CA	157239
Alameda	614871
Alameda, CA	402484
Alameda, CA	846181
Alameda, CA	498161
Alameda, CA	972907
Alameda, CA	472524
Alameda, CA	114467
Alameda, CA	930424
Alameda, CA	774253
Alameda, CA	470314
Alameda, CA	551516

24-Jan-08		24-Jan-08	1/24/2008
12-Feb-08		13-Feb-08	12/13/2010
26-Feb-08		27-Feb-08	2/27/2008
7-Aug-08		7-Aug-08	8/7/2008
14-Oct-08		16-Oct-08	10/16/2008
12-Jan-09		20-Jan-09	1/20/2009
10-Jun-09		15-Jun-09	11/6/2009
25-Jun-09		29-Jun-09	6/29/2009
14-Aug-09		20-Aug-09	8/20/2009
27-Aug-09		31-Aug-09	8/31/2009
1-Sep-09		3-Sep-09	9/3/2009
26-Oct-09		27-Oct-09	10/27/2009
4-Mar-10		4-Mar-10	3/4/2010
20-Apr-10		21-Apr-10	4/21/2010
30-Apr-10		3-May-10	5/3/2010
30-Nov-10	11/30/2010	1-Dec-10	12/1/2010
30-Dec-10	12/30/2010	30-Dec-10	12/30/2010
12-Aug-11	8/12/2011	12-Aug-11	8/12/2011
2-Jul-12	7/2/2012	9-Jul-12	7/9/2012
2-Nov-12	11/2/2012	7-Nov-12	11/7/2012
5-Mar-13	3/5/2013	12-Mar-13	3/12/2013
12-Aug-13	8/12/2013	19-Aug-13	8/19/2013
20-Sep-13	9/20/2013	25-Sep-13	9/25/2013
26-Nov-13	11/26/2013		
13-Mar-09		13-Mar-09	3/13/2009
3-Nov-09		3-Nov-09	11/3/2009
30-Apr-10		28-Apr-10	4/28/2010
30-May-10	5/30/2010	30-May-10	5/30/2010
15-Feb-11	2/19/2011	19-Feb-11	2/19/2011
15-Feb-11	2/19/2011	19-Feb-11	2/19/2011
15-Feb-11	2/19/2011	19-Feb-11	2/19/2011
30-Mar-11	3/30/2011	30-Mar-11	3/30/2011
23-May-11	5/23/2011	23-May-11	5/23/2011
11-Oct-11	10/11/2011	12-Oct-11	10/12/2011
28-Aug-12	8/28/2012	28-Aug-12	8/28/2012
28-Jan-13	1/28/2013	28-Jan-13	1/28/2013
26-Mar-13	3/26/2013	26-Mar-13	3/26/2013
21-Apr-08		19-May-08	5/19/2008
5-Jan-09		15-Jan-09	1/15/2009
11-May-07		12-Jun-07	6/12/2007
24-Jul-07		30-Jul-07	3/28/2011
27-Jul-07		6-Aug-07	8/6/2007
10-Aug-07		13-Aug-07	8/13/2007
18-Sep-07		1-Oct-07	10/1/2007
30-Jan-08		11-Feb-08	2/11/2008
4-Mar-08		5-Mar-08	3/5/2008
23-Jun-08		24-Jun-08	6/24/2008
6-Jul-08		17-Jul-08	7/17/2008
5-Aug-08		12-Aug-08	8/12/2008
8-Jan-09		8-Jan-09	1/8/2009
17-Feb-09		17-Feb-09	2/17/2009
5-Mar-09		6-Mar-09	3/6/2009
10-Mar-09		12-Mar-09	3/12/2009
10-Mar-09		12-Mar-09	3/12/2009
12-Mar-09		12-Mar-09	3/12/2009

Category 3		225	225
Category 3		45	45
Category 3		225	225
Category 3		20	20
Category 3		300	300
Category 3		120	120
Category 3		20	20
Category 3		5	5
Category 3		75	75
Category 3		30	30
Category 3		35	35
Category 3		160	160
Category 3		15	15
Category 2		8700	0
Category 1		3000	0
Category 3		300	300
Category 1		1200	600
Category 2		1000	1000
Category 1		1393	1388
Category 1		13800	830
Category 3		405	405
Category 1		1560	1300
Category 1	717	900	717
Category 3	372	600	600
Category 3		200	0
Category 3		200	50
Category 3		20	0
Category 3		300	0
Category 3		150	0
Category 2		5000	0
Category 3		500	0
Category 3		100	0
Category 2		2000	0
Category 3		50	0
Category 3		5	0
Category 3		300	0
Category 3		100	0
Category 1		150	0
Category 1		75	0
Category 3		10	9
Category 3		80	80
Category 3		200	200
Category 1		800	600
Category 3		200	195
Category 1		100	80
Category 3		100	100
Category 1		75	0
Category 1		100	80
Category 1		150	75
Category 3		2	2
Category 3		75	75
Category 3		20	20
Category 3		100	100
Category 3		25	25
Category 3		1	1

No	No
0 No	Yes
No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	No
3000 Yes	Yes
0 No	Yes
600 Yes	Yes
0 No	Yes
5 Yes	Yes
12970 Yes	Yes
0 No	Yes
260 Yes	Yes
183 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
150 Yes	Yes
75 No	Yes
No	No
0 No	No
No	No
200 Yes	Yes
No	No
20 Yes	Yes
No	No
75 Yes	Yes
20 Yes	Yes
75 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No

Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Yes
Yes
Yes
Yes
Yes
Yes
Not Applicable - Spill did not reach storm drainpipe
Yes
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Not Applicable - Spill did not reach storm drainpipe
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No
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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No
Not Applicable - Spill did not reach storm drainpipe
No
No
No
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe

1075 2nd Street
2530 Shawnee st
1058 King Street
Santa Rosa
182 Farmers Lane
1822 N. Beaver Street
1451 Post Ranch Road
3583 Round Barn Blvd
1176 Summerfield Road
4145 Shadow Ln.
2901 Fourth Street
4 A Street
235 W Sixth St
704 Russell Ave
1373 Fountaingrove Pky
943 Middle Rincon Rd
735 Benicia Drive
Corby Ave
3957 Skyfarm Dr. Skyfarm lift station
Summerfield Road x San Antonio Drive
2097 Stagecoach Road
2905 Bay Village Circle
St Andrews Drive X Fawnglen Place
913 Range Ave
Ocean View Ct. and Ocena View Ave, Gualala, Ca
Mendocino county Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Mendocino County Waterworks District #2
Pintail/Mallard Courts
#5 Pintail, Mallard,Honker Court
2060 Buena Vista Ave
2325 Alameda Ave
1375 Ballena Blvd
516 Willow Ave
2850 pearl harbor rd
1812 Lincoln Ave
1708 High Street
300 Kity Hawk Road
500 Buena Vista Avenue
600 sand hook isle
3208 Monte Vista Ave
1225 Rosewood way alameda ca 94501
554 Pacific Ave
300 Kittyhawk Road
2117 Buena Vista Ave
917 Versailles Ave

38.442667	122.705392 Sonoma
38.458453	-122.74491 Sonoma
38.452585	-122.710654 Sonoma
38.440872	-122.730642 Sonoma
38.450707	122.687039 Sonoma
38.457898	122.71165 Sonoma
38.434135	-122.683945 Sonoma
38.480677	-122.727021 Sonoma
38.446031	-122.66382 Sonoma
38.455009	-122.674561 Sonoma
38.450308	-122.686745 Sonoma
38.436931	-122.715882 Sonoma
38.436897	-122.726494 Sonoma
38.468921	-122.727038 Sonoma
38.4834	-122.712562 Sonoma
38.479635	-122.672361 Sonoma
38.472687	-122.674674 Sonoma
38.402924	-122.71763 Sonoma
38.502978	-122.723125 Sonoma
38.432588	-122.659797 Sonoma
38.486074	-122.708574 Sonoma
38.465584	-122.748856 Sonoma
38.502959	-122.720739 Sonoma
38.46974	-122.73253 Sonoma
38.803389	-123.578494 Mendocino
38.80409	-123.57631 Mendocino
38.805667	-123.57692 Mendocino
38.8035296	-123.5784168 Mendocino
38.8019869	-123.576922 Mendocino
39.642031	-123.784693 Mendocino
38.802269	-123.575538 Mendocino
39.642031	-123.78463 Mendocino
39.642031	-123.78463 Mendocino
38.8025679	-123.5766322 Mendocino
38.803323	-123.578474 Mendocino
38.8044096	-123.5759566 Mendocino
38.8039184	-123.5763313 Mendocino
41.948611	121.470833 Siskiyou
41.948611	121.47083 Siskiyou
37.77214	122.24719 Alameda
37.7643	-122.24355 Alameda
37.77	122.29 Alameda
37.76	-122.26 Alameda
37.79	-122.3 Alameda
37.77218	-122.25288 Alameda
37.76	-122.23 Alameda
37.76	-122.25 Alameda
37.78	-122.28 Alameda
37.77	-122.27 Alameda
37.76	-122.23 Alameda
37.76	122.26 Alameda
37.775988	122.279842 Alameda
37.758	-122.26 Alameda
37.771297	-122.246104 Alameda
37.753946	-122.24323 Alameda

[illegible]

Manhole in the middle of the street

Overflow point was at MH-47

Easement at 1176 Summerfield Road.

Spill location was at an East side cleanout of the Hillside Inn.

Manhole at intersection of A Street and 1st Street

Sanitary sewer clean-out

Spill was contained to a vacant lot at 704 Russell Ave.

Spill location was at Corby Ave and Bellevue Ave (map page JJ-28-12-Manhole#016), spill entered catch basin # 28650

Sewer manhole is located along side of Summerfield Road at the intersection of Summerfield Road and San Antonio Drive

At the gutter pan at the intersection of St Andrews Drive and Fawnglen Place

Manhole over flow

Small one lane paved road with dirt/soil along both sides

Paved street

Parking lot

Brushy/Grassy area

Large vacant lot-dirt top

Street surface, gutter and drain pipe

Sewer overflow from manhole, across pavement to gutter and into drain pipe.

Spill originated at lateral clean out located in sidewalk adjacent to property line.

Spill originated at clean out in sidewalk.

North West Corner of Ballena Blvd and Tideway Drive

South East corner of Willow Street and Whitehall Place

Across barbers point rd from pearl harbor address

Spill originated from lamphole and migrated to curb and gutter on south side of Lincoln Ave.

Gutter in front of residence

Manhole in street

Spill occurred at apartment complex

manhole in middle street

Overflowed toilet in bathroom located in rear of residence.

manhole in front of 1225 rosewood way

Spill originated from clean out located in front of residence.

Manhole in center of street

In front of 2117 Buena Vista Ave in gutter area.

Clean out in front of 917 Versailles.

and traveled 1,000 feet through the stor

re.

3
1

Manhole
Other (specify)
Manhole
Other (specify)
Building or structure
Manhole
Manhole
Manhole
Manhole
Manhole
Building or structure
Manhole
Gravity sewer;Other sewer system structure
Gravity sewer
Force main or pressure sewer
Manhole
Gravity sewer;Other sewer system structure
Manhole
Pump station
Manhole
Manhole
Manhole
Force Main
Manhole
Manhole
Gravity sewer
Gravity sewer
Manhole
Gravity sewer
Force main or pressure sewer
Force main or pressure sewer
Force main or pressure sewer
Manhole
Force main or pressure sewer
Force main or pressure sewer
Gravity sewer
Force main or pressure sewer
Other (specify)
Pump station
Gravity sewer
Gravity sewer
Other sewer system structure
Gravity sewer
Force main or pressure sewer
Other (specify)
Building or structure
Manhole
Gravity sewer
Manhole
Building or structure
Manhole
Gravity sewer
Manhole
Gravity sewer
Gravity sewer

Cleanout

Sewer lateral Clean out

Spilled from the 4 sewer clean out behind 182 Farmers Lane.

Also at end of line clean out

Spill occurred out of manhole 93 located in an easement at 1176 Summerfield Road.

Overflowed from manhole on Shadow Lane. 30 Gal entered the storm drain system.

Buliding cleanout. The owner had called for a plumber to respond. He said his plumber was two hours away so he called f

Sanitary sewer clean-out

Sewer was discharging out of the sewer main clean out.

A bolt from the Pump wear plate assembly cover sheared off causing the plate to separate from the pump allowing sewage

The appearance points 1. Valve box 2. Monument 3. At the gutter seam

2 line cracked coupling

Sewer cleanout

Cleanout

Forced main broke in grass area located in rear of Pearl Harbor Addrss and across Barbers Point Road. See attached drawing
Lamphole

Spill overflowed cleanout

Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain
Street/curb and gutter
Storm drain
Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain
Other paved surface;Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter
Other paved surface
Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter
Unpaved surface
Storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water;Unpaved surface
Separate storm drain;Street/curb and gutter
Other paved surface;Separate storm drain;Other (specify below)
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Paved Surface;Separate Storm Drain;Street/Curb and Gutter;Unpaved surface
Paved Surface;Separate Storm Drain;Street/Curb and Gutter
Unpaved surface
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Street/curb and gutter
Storm drain
Storm drain;Street/curb and gutter
Other paved surface
Street/curb and gutter
Building or structure
Beach;Storm drain;Street/curb and gutter;Surface water
Street/curb and gutter;Unpaved surface
Storm drain
Street/curb and gutter
Surface water
Surface water
Storm drain;Street/curb and gutter;Surface water
Building or structure
Storm drain;Street/curb and gutter
Street/curb and gutter
Other paved surface;Storm drain;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter

Storm drain and gutters were washed down and vacuumed, 100% retrieved.
Street/curb/gutter and Storm drain pipe, spill was 100 % captured
225 gallons entered Storm Drain, 100% retrieved
Spill came from lateral clean out into gutter. Approx 20 gallons. Did not reach storm drain. Gutter was vacuumed and cleaned.
Spill contained in local storm drain pipe. City crew captured 100% of spill back to sanitary sewer.
Spill was contained in storm drain, all spill was captured and storm drain cleaned.
Spill entered a dry storm drain 20' North of MH-47

Spill was contained in the parking lot.

Spill was running down the curb and gutter into a storm drain, crews arrived and diverted the flow into an open swale. Crews arrived at storm drain outfall 200' above Riebli Creek, approximately <5 gallons making it to the out fall, no impact to creek waters.
Sewage was contained in a short portion of the storm drain system, crews were able to retrieve all sewage and return back to sanitary sewer.

Street curb and dirt area near storm drain

Abandoned manhole and small area of unpaved ground

Very small spill/Barely surfaced

NA

Spill originated at lateral clean out and went across sidewalk and into street gutter. No sewage reached the D.I.

Sewage overflowed Cleanout onto the street and into a storm drain catch basin. Storm drainage line terminated at outfall.
Spill was in grass area. Spill did not reach storm drainage inlet.

San Francisco Bay

Spill final destination was Estuary via outfall at the North end of Webster St
storm drainage system terminates into lagoon system.

curb gutter and catch basin

1/22/2008 13:32	1/22/2008 13:32	1/22/2008 13:46	1/22/2008 14:13
2/5/2008 22:45	2/5/2008 22:45	2/5/2008 23:05	2/5/2008 23:05
2/24/2008 11:20	2/24/2008 11:20	2/24/2008 11:42	2/24/2008 12:05
8/6/2008 16:00	8/6/2008 16:00	8/6/2008 16:10	8/6/2008 16:10
10/13/2008 17:30	10/13/2008 17:45	10/13/2008 18:05	10/13/2008 18:30
1/11/2009 11:50	1/11/2009 11:50	1/11/2009 12:10	1/11/2009 12:25
6/9/2009 20:45	6/9/2009 20:45	6/9/2009 21:15	6/9/2009 21:30
6/23/2009 11:30	6/23/2009 11:30	6/23/2009 11:30	6/23/2009 11:35
8/13/2009 18:30	8/13/2009 18:40	8/13/2009 18:51	8/13/2009 18:55
8/25/2009 15:45	8/25/2009 16:00	8/25/2009 16:15	8/25/2009 16:20
8/29/2009 15:50	8/29/2009 16:50	8/29/2009 17:15	8/29/2009 18:00
10/23/2009 13:55	10/23/2009 13:55	10/23/2009 14:07	10/23/2009 14:15
2/28/2010 11:50	2/28/2010 11:50	2/28/2010 12:05	2/28/2010 12:20
4/16/2010 14:00	4/19/2010 12:00	4/19/2010 13:25	4/16/2010 14:01
4/29/2010 17:34	4/29/2010 17:35	4/29/2010 17:52	4/29/2010 18:10
11/23/2010 13:30	11/23/2010 13:35	11/23/2010 13:40	11/23/2010 14:10
12/29/2010 9:00	12/29/2010 9:30	12/29/2010 9:40	12/29/2010 10:00
8/11/2011 13:05	8/11/2011 13:05	8/11/2011 13:05	8/11/2011 13:45
7/1/2012 23:15	7/1/2012 23:32	7/2/2012 0:05	7/2/2012 0:17
10/31/2012 13:20	11/1/2012 10:52	11/1/2012 11:10	11/1/2012 11:20
3/4/2013 20:00	3/4/2013 20:10	3/4/2013 20:35	3/4/2013 21:20
8/10/2013 10:48	8/10/2013 11:10	8/10/2013 11:30	8/10/2013 11:40
9/17/2013 17:00	9/18/2013 17:04	9/18/2013 17:30	9/18/2013 22:00
11/23/2013 12:00	11/23/2013 12:20	11/23/2013 12:28	11/23/2013 13:15
3/12/2009 9:00	3/12/2009 11:00	3/12/2009 12:00	3/12/2009 10:00
10/20/2009 12:30	10/20/2009 14:20	10/20/2009 14:30	10/21/2009 9:00
4/28/2010 9:30	4/28/2010 9:45	4/28/2010 9:45	4/28/2010 10:30
5/30/2010 11:30	5/30/2010 11:30	5/30/2010 12:15	5/30/2010 14:30
10/16/2007 12:30	10/16/2007 12:30	10/16/2007 12:45	10/16/2007 14:00
1/4/2008 8:00	1/4/2008 8:00	1/4/2008 8:30	1/4/2008 18:00
2/4/2008 11:00	2/4/2008 11:00	2/4/2008 11:30	2/6/2008 10:00
3/28/2011 14:00	3/28/2011 16:00	3/28/2011 14:20	3/28/2011 14:30
5/21/2011 8:00	5/23/2011 10:00	5/23/2011 10:00	5/23/2011 10:05
10/9/2011 12:00	10/9/2011 14:15	10/9/2011 16:00	10/9/2011 16:00
8/28/2012 9:00	8/28/2012 9:00	8/28/2012 9:30	8/28/2012 10:30
1/28/2013 8:00	1/28/2013 9:30	1/28/2013 10:00	1/28/2013 12:00
3/24/2013 10:00	3/24/2013 10:30	3/24/2013 11:30	3/24/2013 14:00
4/21/2008 12:30	4/21/2008 13:06	4/21/2008 13:08	4/21/2008 13:30
1/4/2009 14:15	1/4/2009 14:17	1/4/2009 14:31	1/4/2009 15:01
4/30/2007 10:00	4/30/2007 10:10	4/30/2007 10:30	4/30/2007 11:00
6/30/2007 16:00	6/30/2007 16:30	6/30/2007 17:30	6/30/2007 18:15
7/24/2007 6:00	7/24/2007 8:00	7/24/2007 8:20	7/27/2007 8:50
8/8/2007 7:50	8/8/2007 8:10	8/8/2007 8:00	8/8/2007 8:45
9/12/2007 10:00	9/12/2007 15:00	9/12/2007 15:15	9/13/2007 14:30
1/28/2008 20:00	1/28/2008 20:30	1/28/2008 21:00	1/28/2008 22:00
2/28/2008 12:00	2/28/2008 12:30	2/28/2008 12:49	2/28/2008 13:20
6/18/2008 9:00	6/18/2008 9:00	6/18/2008 9:10	6/18/2008 9:15
7/5/2008 20:00	7/6/2008 10:30	7/6/2008 10:45	7/6/2008 10:55
8/2/2008 9:22	8/2/2008 9:22	8/2/2008 9:30	8/2/2008 10:00
1/7/2009 13:00	1/7/2009 13:15	1/7/2009 14:00	1/7/2009 13:05
2/14/2009 9:00	2/14/2009 9:00	2/14/2009 9:15	2/14/2009 10:00
3/5/2009 10:00	3/5/2009 10:25	3/5/2009 10:30	3/5/2009 10:35
3/8/2009 19:20	3/8/2009 19:20	3/8/2009 20:00	3/8/2009 20:30
3/10/2009 8:20	3/10/2009 8:30	3/10/2009 8:40	3/10/2009 9:00
3/11/2009 10:02	3/11/2009 10:02	3/11/2009 10:30	3/11/2009 10:35

Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Root intrusion
Root intrusion
Grease deposition (FOG)
Debri-Rags
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Vandalism
Pump station failure
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Pipe Structural Problem/Failure
Root Intrusion
Root intrusion
Root intrusion
Debri-General
Debri-General
Debri-General
Other (specify below)
Pipe structural problem/failure
Pipe structural problem/failure
Pump station failure
Pipe structural problem/failure
Other (specify below)
Root intrusion
Root intrusion
Operator error
Pump station failure
Debris
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Pipe structural problem/failure
Debris
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Pump station failure
Pipe structural problem/failure
Grease deposition (FOG)
Debri-General
Grease deposition (FOG)
Debri-General
Debri-General

When crew arrived at site there was evidence of a spill but it was not overflowing.
and root intrusion

Partial root blockage in down stream manhole. Overflow caused by excessive flow due to draining a drinking water reser

The city's department construction crews were making repairs to a sewer main; crew's temporarily plugged off main to m
Roots were growing from the top of the cone and the first grade ring joint. The roots grew into the manhole and into the ci
Blockage was caused by roots and grease.

The blockage was caused by grease, heavy paper towels and a small pice of asphalt. The spill flow was intermittent.

combination of grease and paper wipes

A temporary bar screen that is placed downstream from the Sonoma County Jail Facility had not been properly maintaine

Contractor hit force main while directional boring. Force main USA marked incorrectly

An inflatable test plug was found in the main.

Wear plate assembly bolt sheared off causing the plate to separate from the pump spilling sewage.

The blockage was caused by a combination of papaer towels and piece of grade ring (3 x4) that was found in the channe
CCTV identified a small pipe liner failure that contributed to the grease blockage, liner failure was removed and flow was

Excessive ground water from property owner emptying out hottub water-to cause sewer lid to move and debri forced in m

Power outage/back-up generator failed

Pump station control panel electrical failure due to high winds

cracked coupling

NA

Combination of roots and grease

Forced main piping failed.

Main

Main

Main

Other (specify below)

Main

Main

Main

Main

Main

Main

Main

Main

Main

Other (specify below)

Main

Main

Main

Force Main

Gravity Mainline

Main

Main

Main

Main

Other (specify below)

Main

Main

Other (specify below)

Main

Main

Main

Main

Other (specify below)

Main

Other (specify below)

Main

Lower Lateral

Other (specify below)

Lower Lateral

Main

Lower Lateral

Main

Lower Lateral

Lower Lateral

Grease blockage in sewer main.

Manhole grout joint

Televised main line, found offsets in pipe, cleaning maintenance has been moved from a five year PM to a yearly PM
This spill was caused by a plugged up bar screen that was placed downstream from the Sonoma County jail facility sewer

Skyfarm A - Sewer Lift Station

Pump Station

Pump Station control panel

Operator error

Spill originated at clean out in sidewalk.

Pump Station at 8th & Portola St failed.

outfall. This bar screen is u

6 VCP
6 ACP
6 VCP
6 ACP
10 ACP
8 PVC
6 PVC
6 ACP
6 ACP
6 ACP
6 VCP

6 ACP

No
No

6 Truss Pipe
6 Truss
8 DIP
4 PVC
6 VCP

6 orangeburg
6 orangeburg
6 pvc
6 PVC

3 PVC

2

6 NA

4 vc
4 VC
8 VC
10 VC
12 PVC
6 VC
10 vc
6 VC
6 VC

4 VC
8 clay
4 vc
6 vcp
4 vc
4 vc

58

39

25

11

15

33

48

30

30

264

660

20

20

20

20

15

20

20

20

20

90

50

35

50

40

35

30

20

20

20

Broke blockage which consisted of grease. Washed down street and gutter. Flushed and vacuumed out storm drain. Arrived on scene spill not overflowing. Crew cleaned up the spill 100% retrieved, cleaned sewer mains affected. Cleaned effected sewer mains and restored flow. This sewer main is scheduled for CIP this year. Broke blockage and cleaned mains in surrounding area. Washed down gutter and vacuumed. 100% retrieved.

PM frequency for this line segment has been changed from a 1-year to a 6 month schedule. This main is scheduled for re 100% of overflow was recovered. Main will be televised. Cleaning frequency was changed to a 6 month flushing/cleaning A total of five gallons overflowed from the manhole. City crews responded and provided cleanup. City crew will make necessary repairs to mitigate future root intrusion Main was televised; roots were found entering the main from a capped off wye (installed for future development). Crews Television inspection showed no obstructions in the main. The spill was called in by an off duty city employee (Andy Klein). He stated that he didn't notice the spill prior to going into

Bar screen has removed until further notice
Repaired force main, cleaned storm drain

Cleared debris of household garbage that someone dumped into manhole; broke blockage, restored flow, 100% retrieved Lift station pump was repaired and returned to service. City crews flushed and vacuumed all paved surfaces and effected See Attachment

City crews broke the blockage and performed cleanup. The storm drain was vacuumed and flushed; all sewage was returned

Force main was drained stopping the leak, vacuum truck were used to monitor the lift station wet well through the night. C

Pump Station shut down immediately, all further discharge contained by pump truck and transported to treatment plant.

NA

Sanitary sewer pump station maintenance Team Leader received auto page from SCADA alerting him that the Sanitary :

Hydro cleaned 6 sanitary sewer pipe in direction of flow for approximately 1000' to remove any remaining grease deposit

Lower lateral stopped up causing overflow in bathroom. Lateral was cleared and restored to service. Lower lateral is scheduled hydro flush main remove spill from roadway and catch basin pressure wash street and catch basin

4/19/2010 17:00
4/30/2010 13:00

12/29/2010 12:30
8/11/2011 16:00
7/2/2012 11:00
11/1/2012 2:00

8/10/2013 14:00
9/18/2013 23:30

1/4/2008 18:00

5/23/2011 10:30

4/21/2008 16:30
1/1/2009 16:02

8/8/2007 9:30

1/28/2008 22:00

6/18/2008 9:40
7/6/2008 12:00
8/2/2008 16:00

Other (specify below)

Repaired sewer

Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Adjusted schedule/method of preventive maintenance

Repaired Facilities or Replaced Defect

Adjusted schedule/method of preventive maintenance

Repaired sewer

Other (specify below)

Other (specify below)

Enforcement action against FOG source

Other (specify below)

Added sewer to preventive maintenance program;Enforcement action against FOG source

Enforcement action against FOG source

Other (specify below)

Temporary bar screen was removed from the sanitary sewer.

We will be providing Public outreach to help educate the residents in this area on how to properly dispose of cooking grease. Crews removed debris and restored flow, replaced manhole cover with a new secure bolt down type cover and fixed a Pol Lift station pump. For additional protection a station flood alarm will be installed. Section of main will be replaced in order to mitigate any future problems.

Our Environmental Compliance group will follow up with grease concern at the Strip Mall restaurants that include: Mendo. Force main was repaired on 9/19/2013

Repaired back-up generator/implemented a new maintenance routine.

Pumps placed back on line. Operator reprimanded and had proper procedures reviewed. Reduce risk of pump blockage by monitoring hours of operation, flushing of main, cleaning of buildup in front of pump inlet.

Scheduled replacement of manhole structure.

repaired and replaced defective level control at pump station

No
No

No
No
No
No

Yes
No

No

No

No
No

Yes

No

No
No
No

No sewage detected, took water samples at creek, informed city Storm Water section

Due to recent heavy rains, creeks were running high and could not see any visual signs of spill.

No impact to the receiving water was detected.

See Attachments

No visual impact to receiving waters

No visual impact to receiving waters or creek bed, Coffey Creek runs dry for most of the summer months

none

No discernable difference from existing condition.

Receiving waters are a drainage ditch which is overgrown with weeds and catails. It is partially filled with snow and ice. No

Out fall terminates under the water approximately 50 feet past the beach. Nothing was visible from the shoreline.

Spill was all liquid. No visual effect

No solids or paper. All liquid.

No
No

No
No
No
Yes

No
No
No

No

No

No
No

Yes

No

Yes
No
Yes

N/A

N/A
N/A

NA

NA
NA

Southshore Beach

NA

Crown Memorial Beach
N/A
NA

N/A

N/A

Paulin Creek

N/A

Bruch Creek

N/A

Riebli Creek

Sierra Park Creek

N/A

Coffey Creek

None

None

None

None

None

None

None

None

None

Drainage ditch

NA

San Francisco Bay

Estuary

San Francisco Bay

Estuary

southshore lagoon system, lagoon 1

Not applicable to this spill

Dissolved oxygen;Biological indicator(s) - specify below

Other (specify below)

No water quality samples taken

Other (specify below)

Dissolved oxygen;Biological indicator(s) - specify below;Other (specify below)

Dissolved oxygen;Biological indicator(s) - specify below

No water quality samples taken;Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

No water quality samples taken

Other (specify below)

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

Other (specify below)

Ph, TDS, DOD, NO3N, TON NH3N, TPO4

Turbidity, TSS, BOD, NO3N, TON, NH3N, TPO4, Total & Fecal Coliform

Turbidity, pH, Dissolved Oxygen, Temperature, Specific Conductivity
EC, TDS, BOD, NO3, N-ORG, NH3-D, P-TOT, TKN, Total and Fecal Coliform

EC, TDS, BOD, NO3, N-ORG, NHS-D, P-TOT, TKN

NA

Posting and Samples done by East Bay Regional Parks District

Total Coliform, Fecal Coliform, Enterococcus.

total coliform,fecal coliform,enterococcus

Not applicable to this spill

County Health Agency

County Health Agency

None of the above

None of the above

County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

No water quality samples taken;Not applicable to this spill

None of the above

None of the above

None of the above

No water quality samples taken

Regional Water Quality Control Board

No water quality samples taken

County Health Agency

No water quality samples taken

County Health Agency

Results will be faxed to Count Health Agency

Sample results will be sent to Sonoma County Health when complete

Water quality report will be sent to County Health & RWQCB once received.

NA

There was an unrelated oil spill taking place at the same time the SSO occurred. Crown Memorial Beach is the responsib

Follow up with initial caller, interview nearby resident and observations from City employees. Spill calculated by duration

ility of the East Bay Regional Parks district and therefore the sampling was performed by them. They emailed the City Of

80628	1/22/2008 16:06
85712	8/6/2008 16:35
95656	8/13/2009 20:55
102461	4/19/2010 15:40
102699	4/29/2010 19:30
107058	11/23/2010 15:40
107951	12/29/2010 10:35
114780	8/11/2011 14:48
123837	7/2/2012 2:05
126603	11/1/2012 12:30
131329	3/4/2013 21:58
134933	8/10/2013 12:40
135880	9/18/2013 20:40
97107	10/20/2009 17:30
102668	4/28/2010 13:00
103314	5/30/2010 14:30
112005	3/28/2011 16:00
113137	5/23/2011 11:30
116019	10/9/2011 16:15
125140	8/28/2012 13:45
130599	1/28/2013 12:00
131781	3/24/2013 14:30
82957	4/21/2008 17:33
90056	1/4/2009 16:00
84316	6/18/2008 10:30
84944	7/6/2008 13:25
85625	8/2/2008 11:00
91271	2/14/2009 12:30
92117	3/8/2009 21:05

Jim Montenegro, Utility Supt
Tony Llamas Utility System Supervisor

7075433974
7075433973

2SSO10087	Active	734915 Matthew T. Naclerio	Certified
2SSO10087	Active	734916 Matthew T. Naclerio	Certified
2SSO10087	Active	734947 Matthew T. Naclerio	Certified
2SSO10087	Active	743414 Matthew T. Naclerio	Certified
2SSO10087	Active	746623 Matthew T. Naclerio	Certified
2SSO10087	Active	746900 Matthew T. Naclerio	Certified
2SSO10087	Active	749884 Matthew T. Naclerio	Certified
2SSO10087	Active	751336 Matthew T. Naclerio	Certified
2SSO10087	Active	755696 Matthew T. Naclerio	Certified
2SSO10087	Active	762338 Matthew T. Naclerio	Certified
2SSO10087	Active	763765 Matthew T. Naclerio	Certified
2SSO10087	Active	765939 Matthew T. Naclerio	Certified
2SSO10087	Active	766953 Matthew T. Naclerio	Certified
2SSO10087	Active	769923 Matthew T. Naclerio	Certified
2SSO10087	Active	770893 Jesse Barajas	Certified
2SSO10087	Active	773257 jesse barajas	Certified
2SSO10087	Active	773939 Jesse Barajas	Certified
2SSO10087	Active	775254 jesse barajas	Certified
2SSO10087	Active	776537 jesse barajas	Certified
2SSO10087	Active	781145 Jesse Barajas	Certified
2SSO10087	Active	781931 jesse barajas	Certified
2SSO10087	Active	784689 Jesse Barajas	Certified
2SSO10087	Active	786591 jesse barajas	Certified
2SSO10087	Active	786747 jesse barajas	Certified
2SSO10087	Active	792260 jesse barajas	Certified
2SSO10087	Active	792683 jesse barajas	Certified
2SSO10087	Active	793764 jesse barajas	Certified
2SSO10087	Active	796165 jesse barajas	Certified
2SSO10088	Active	725605 R Cunningham	Certified
2SSO10088	Active	725606 R Cunningham	Certified
2SSO10088	Active	725607 R Cunningham	Certified
2SSO10088	Active	725608 R Cunningham	Certified
2SSO10088	Active	725609 R Cunningham	Certified
2SSO10088	Active	725732 R Cunningham	Certified
2SSO10088	Active	725733 R CUNNINGHAM	Certified
2SSO10088	Active	725734 R CUNNINGHAM	Certified
2SSO10088	Active	725735 R CUNNINGHAM	Certified
2SSO10088	Active	725736 R CUNNINGHAM	Certified
2SSO10088	Active	725738 R CUNNINGHAM	Certified
2SSO10088	Active	725802 R CUNNINGHAM	Certified
2SSO10088	Active	725803	Submit Draft
2SSO10088	Active	725805 R CUNNINGHAM	Certified
2SSO10088	Active	725806 R CUNNINGHAM	Certified
2SSO10088	Active	725807	Submit Draft
2SSO10088	Active	734946 R Cunningham	Certified
2SSO10088	Active	735012 R Cunningham	Certified
2SSO10088	Active	735019 R Cunningham	Certified
2SSO10088	Active	735020 R Cunningham	Certified
2SSO10088	Active	735022 R Cunningham	Certified
2SSO10088	Active	735023 R Cunningham	Certified
2SSO10088	Active	735024 R Cunningham	Certified
2SSO10088	Active	735026 R Cunningham	Certified
2SSO10088	Active	735029 R Cunningham	Certified
2SSO10088	Active	735037 R Cunningham	Certified
2SSO10088	Active	735038 R Cunningham	Certified

Public Works Director
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Alameda, CA	636687
Alameda, CA	770820
Alameda, CA	487350
Alameda, CA	389317
Alameda	803221
Alameda. CA	565698
Alameda, CA	642620
Alameda, CA	950162
Alameda, CA	995789
Alameda, CA	412751
Alameda, CA	209209
Alameda. CA	700288
Alameda, CA	536270
Alameda, CA	117159
MSC	890540
Alameda, MSC	698247
Alameda	401722
city of alameda	951016
city of alameda	122747
City of Alameda	851834
City of Alameda	209012
City of Alameda	789920
city of alamea	100040
city of alameda	842360
City of Alameda	882977
City of Alameda	690754
City of Alameda	277662
City of Alameda	970829
Albany, CA	616087
Albany, CA	250427
Albany, CA	424106
Albany, CA	393846
Albany, CA	379073
Albany, CA	327506
Albany CA	537574
Albany CA	555563
Albany CA	476172
Albany CA	418226
Albany CA	838769
Albany CA	736891
Albany CA	807472
Albany CA	442755
Albany, CA	727365
Albany, CA	658213
Albany, CA	281291
Albany, CA	175539
Albany, CA	879565
Albany, CA	967996
Albany, CA	102126
Albany, CA	279859
Albany, CA	330800
Albany, CA	858758
Albany, CA	403018

12-Mar-09		12-Mar-09	3/12/2009
12-Mar-09		12-Mar-09	3/12/2009
13-Mar-09		23-Mar-09	3/23/2009
19-Aug-09		24-Sep-09	9/24/2009
6-Nov-09		6-Nov-09	11/6/2009
20-Nov-09		23-Nov-09	11/23/2009
26-Feb-10		10-Jun-10	6/10/2010
6-Apr-10		10-Jun-10	6/10/2010
3-Aug-10	8/3/2010	17-Aug-10	8/17/2010
1-Feb-11	2/1/2011	25-Feb-11	2/25/2011
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
28-Apr-11	4/28/2011	28-Apr-11	4/28/2011
27-May-11	5/27/2011	27-May-11	5/27/2011
17-Aug-11	8/17/2011	17-Aug-11	8/17/2011
9-Sep-11	9/9/2011	9-Sep-11	9/9/2011
18-Nov-11	11/18/2011	30-Nov-11	11/30/2011
12-Dec-11	12/12/2011	12-Dec-11	12/12/2011
4-Jan-12	1/4/2012	4-Jan-12	1/4/2012
27-Jan-12	1/27/2012	30-Jan-12	1/30/2012
10-May-12	5/10/2012	12-May-12	5/12/2012
5-Jun-12	6/5/2012	5-Jun-12	7/3/2012
4-Aug-12	8/8/2012	28-Aug-12	8/28/2012
26-Sep-12	10/30/2012	30-Oct-12	10/30/2012
28-Sep-12	9/28/2012	28-Sep-12	9/28/2012
1-Mar-13	3/1/2013	5-Mar-13	3/5/2013
15-Mar-13	4/5/2013	19-Apr-13	4/19/2013
30-Apr-13	4/30/2013	30-Apr-13	4/30/2013
26-Jun-13	7/31/2013	31-Jul-13	7/31/2013
2-Sep-08		2-Mar-09	3/2/2009
2-Sep-08		2-Mar-09	3/2/2009
2-Sep-08		2-Mar-09	3/2/2009
2-Sep-08		2-Mar-09	3/2/2009
2-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
4-Sep-08		2-Mar-09	3/2/2009
13-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
16-Mar-09		9-Apr-09	4/9/2009
17-Mar-09		9-Apr-09	4/9/2009
17-Mar-09		9-Apr-09	4/9/2009

Category 3	1	1
Category 3	5	5
Category 1	250	0
Category 3	20	20
Category 3	7	7
Category 1	80	0
Category 3	5	5
Category 3	30	5
Category 3	2	2
Category 2	5000	5000
Category 3	25	25
Category 1	50	0
Category 3	150	50
Category 3	100	100
Category 3	900	750
Category 3	125	125
Category 1	200	100
Category 1	250	200
Category 3	300	300
Category 3	45	45
Category 1	310	155
Category 1	1350	700
Category 3	150	150
Category 3	200	150
Category 3	50	40
Category 3	75	65
Category 3	200	175
Category 3	150	125
Category 3	20	0
Category 3	15	0
Category 3	15	0
Category 3	15	0
Category 3	20	0
Category 3	20	0
Category 3	50	0
Category 3	40	0
Category 3	15	0
Category 3	15	0
Category 3	20	0
Category 3	50	0
Category 3	20	0
Category 3	15	0
Category 3	15	0
Category 3	15	0
Category 3	15	0
Category 3	5	0
Category 3	15	0
Category 3	15	0
Category 3	15	0
Category 3	15	0
Category 3	15	0
Category 3	20	0
Category 3	15	0
Category 3	15	0

[illegible]

[illegible]

1114 Bay Street
1408 Encinal Ave
100 Kitty Hawk Road
1419 Chestnut Street
1401 Chestnut Striit
1125 Rosewood Way
1439 Stanton
1266 Weber St
1102 Santa Clara Ave
1716 Chapin Street
Westline Dr and shore point Ct
1501 Viking
AMP Trainig yard
431 star dust alameda ca 94501
Lincoln Park Ball Feild
200 Oyster pond Rd
401 Westline Drive
Broadway and clement
500 Pensacola road
586 credon circle alameda ca 94501
Man Hole at Blanding Ave and Oak st
909 shore point
shore point ct @ westline
2149 ottis dr alameda ca
500 Buena vista ave
201 Brush st
737 Eagle Ave
401 Greenbrier Rd
1032 Ramona Ave.
928 Pierce St.
712 San Carlos Ave.
830 Hillside Ave.
1000 Pomona Ave.
1000 Curtis St.
901 Santa Fe Ave.
710 Hillside Ave.
723 Pierce St.
755 Pierce St.
621 Jackson St.
404 Talbot Ave.
916 Adams St.
1024 Pomona Ave.
958 Nielson St.
1004 Santa Fe Ave.
920 Carmel Ave.
915 ordway
920 carmel
924 carmel
916 masonic
1108 masonic
1033 pomona
919 carmel
950 tulare
961 peralta
1504 Marin

37.766368	-122.264513 Alameda
37.7702569	-122.2618524 Alameda
37.759647	-122.260148 Alameda
37.76853	-122.252633 Alameda
37.76865	-122.252644 Alameda
37.764145	-122.26667 Alameda
37.7772199	-122.260013 Alameda
37.768189	-122.268868 Alameda
37.77273	-122.26559 Alameda
37.776241	-122.267722 Alameda
37.7667	-122.28822 Alameda
37.77545	-122.29612 Alameda
37.78879	-122.30338 Alameda
37.78413	-122.29507 Alameda
37.75694	-122.22717 Alameda
37.7397	-122.2421 Alameda
37.76308	-122.27153 Alameda
37.76774	-122.23525 Alameda
37.78668	-122.29711 Alameda
37.74103	-122.25986 Alameda
37.77116	-122.23956 Alameda
37.77122	-122.2824 Alameda
37.77122	-122.2824 Alameda
37.76007	-122.25232 Alameda
37.77707	-122.28195 Alameda
37.77916	-122.28951 Alameda
37.7787	-122.27534 Alameda
37.75954	-122.25946 Alameda
37.8863	122.2894 Alameda
37.888	122.3055 Alameda
37.8945	122.2892 Alameda
37.8911	122.3041 Alameda
37.8879	122.291 Alameda
37.888	122.2874 Alameda
37.8908	122.2887 Alameda
37.8919	122.3048 Alameda
37.891	122.3063 Alameda
37.8901	122.3061 Alameda
37.8947	122.3031 Alameda
37.8986	122.298 Alameda
37.88951	-122.29995 Alameda
37.8873	122.2908 Alameda
37.8888	122.286 Alameda
37.88802	-122.28875 Alameda
37.889167	-122.289444 Alameda
37.890309	-122.283958 Alameda
37.889345	-122.28971 Alameda
37.889137	-122.289611 Alameda
37.889806	-122.293703 Alameda
37.886375	-122.290497 Alameda
37.886375	-122.290497 Alameda
37.889596	-122.289164 Alameda
37.888946	-122.281769 Alameda
37.888321	-122.284602 Alameda
37.889184	-122.285565 Alameda

[illegible]

Clean out in front of 1114 Bay Street
Clean out in front of 1408 Encinal Ave
Spill originated at Manhole in the middle of Kitty Hawk Rd.
Front yard of property at Clean Out

Spill originated from upper lateral clean out .
Originated from clean out in front yard of 1226 Weber St., migrated across sidewalk and parking strip and into gutter then
Spill occurred in front yard of residence. Originated at clean out.
Basement of residence.

sanitary lift station
Force main

Lamp hole On sewer main 6
Man hole in center of street.

Man hole near 586 creedon circle

Manhole in middle of road in front of 909 shore point Ct
Man hole on shore point court

Clean out

Manhole # 9110005 near constitution Ave on Eagle ave

traveled to planted area at bulk head of

Gravity sewer
Gravity sewer
Manhole
Gravity sewer
Gravity sewer
Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Building or structure
Gravity sewer;Manhole
Manhole;Pump station
Force main or pressure sewer;Other (specify)
Gravity sewer;Manhole
Gravity sewer
Gravity sewer;Manhole
Manhole
Gravity sewer
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole;Other (specify)
Gravity sewer;Manhole
Manhole
Force main or pressure sewer
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Building or structure
Other sewer system structure
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Other (specify)
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Building or structure
Other (specify)
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Other (specify)
Other (specify)
Other (specify)

grass area

6 lamphole

Spill location was storm man hole that had a plugged

Lower Lateral Clean Out

lower lateral clean out

lower lateral cleanout
lower lateral
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out

Other (specify below)
Street/curb and gutter
Other (specify below)
Street/curb and gutter
Unpaved surface
Beach
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Building or structure
Street/curb and gutter
Separate storm drain;Surface water
Other paved surface;Unpaved surface
Separate storm drain;Street/curb and gutter
Other paved surface;Separate storm drain;Unpaved surface
Other paved surface;Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Combined storm drain (combined CS only);Other paved surface;Street/curb and gutter;Surface water
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Surface water
Beach;Separate storm drain;Street/curb and gutter;Surface water
Other paved surface;Separate storm drain;Street/curb and gutter
Street/curb and gutter
Other paved surface;Separate storm drain;Street/curb and gutter
Other paved surface;Street/curb and gutter
Street/curb and gutter;Other (specify below)
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Unpaved surface
Other paved surface
Unpaved surface
Other paved surface
Other paved surface
Building or structure
Unpaved surface
Unpaved surface
Other paved surface
Unpaved surface
Street/curb and gutter
Other paved surface
Unpaved surface
Building or structure
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Street/curb and gutter

Clean out box

San Francisco Bay

Spill was along Drive way and Ball feilds aprox 200 Ft in drive way area

Spill entered catch basin and was contained to catch and was returned to sewer system and mitigated from catch basin.

Spill was contained to catch basin

3/12/2009 8:05	3/12/2009 8:55	3/12/2009 9:05	3/12/2009 9:10
3/12/2009 8:00	3/12/2009 8:11	3/12/2009 8:25	3/12/2009 8:30
3/10/2009 10:00	3/10/2009 10:15	3/10/2009 10:25	3/10/2009 10:45
8/18/2009 9:50	8/18/2009 10:00	8/18/2009 10:10	8/18/2009 10:15
11/5/2009 8:00	11/5/2009 8:05	11/5/2009 8:20	11/5/2009 8:25
11/19/2009 18:30	11/19/2009 18:45	11/19/2009 19:00	11/19/2009 19:40
2/24/2010 8:40	2/24/2010 8:55	2/24/2010 9:20	2/24/2010 9:35
4/3/2010 14:00	4/3/2010 14:30	4/3/2010 14:50	4/3/2010 15:15
8/2/2010 9:47	8/2/2010 8:48	8/2/2010 9:00	8/2/2010 9:05
2/1/2011 0:00	2/1/2011 9:00	2/1/2011 9:15	2/1/2011 10:06
2/22/2011 22:26	2/22/2011 22:30	2/22/2011 23:06	2/22/2011 23:32
4/26/2011 15:30	4/26/2011 15:30	4/26/2011 15:40	4/26/2011 17:00
5/27/2011 10:15	5/27/2011 10:15	5/27/2011 10:30	5/27/2011 11:00
8/17/2011 13:43	8/17/2011 13:43	8/17/2011 13:45	8/17/2011 14:00
9/8/2011 15:20	9/8/2011 15:20	9/8/2011 15:33	9/8/2011 14:20
11/18/2011 8:45	11/18/2011 8:46	11/18/2011 9:00	11/18/2011 9:10
12/11/2011 19:30	12/11/2011 19:31	12/11/2011 19:50	12/11/2011 20:40
1/2/2012 12:20	1/2/2012 12:30	1/2/2012 12:52	1/2/2012 13:12
1/17/2012 8:49	1/17/2012 8:49	1/17/2012 9:05	1/17/2012 10:20
5/8/2012 15:10	5/8/2012 15:10	5/8/2012 15:19	5/8/2012 15:35
5/30/2012 12:52	5/30/2012 12:52	5/30/2012 13:15	5/30/2012 14:00
8/4/2012 10:50	8/4/2012 10:50	8/4/2012 11:10	8/4/2012 11:35
9/20/2012 20:45	9/20/2012 20:46	9/20/2012 21:05	9/20/2012 21:25
8/15/2012 13:30	8/15/2012 15:20	8/15/2012 15:20	8/15/2012 16:45
1/7/2013 10:10	1/7/2013 10:10	1/7/2013 10:20	1/7/2013 10:30
3/13/2013 10:00	3/13/2013 10:05	3/13/2013 10:20	3/13/2013 10:31
3/15/2013 16:30	3/15/2013 16:54	3/15/2013 17:02	3/15/2013 17:21
6/22/2013 10:36	6/22/2013 10:47	6/22/2013 11:00	6/22/2013 14:30
1/17/2007 15:45	1/17/2007 15:45	1/17/2007 16:30	1/17/2007 16:45
1/22/2007 13:38	1/22/2007 13:38	1/22/2007 14:15	1/22/2007 14:30
5/22/2007 8:11	5/22/2007 8:11	5/22/2007 8:45	5/22/2007 9:00
6/13/2007 0:00	6/13/2007 0:00	6/13/2007 0:00	6/13/2007 0:00
6/20/2007 0:00	6/20/2007 0:00	6/20/2007 0:00	6/20/2007 0:00
6/24/2007 18:30	6/24/2007 18:30	6/24/2007 17:15	6/24/2007 17:30
7/31/2007 14:00	7/31/2007 14:00	7/31/2007 14:30	7/31/2007 14:45
9/17/2007 0:00	9/17/2007 0:00	9/17/2007 0:00	9/17/2007 0:00
9/21/2007 8:20	9/21/2007 8:20	9/21/2007 9:00	9/21/2007 9:15
10/1/2007 20:30	10/1/2007 20:30	10/1/2007 21:30	10/1/2007 22:00
12/16/2007 15:00	12/16/2007 15:00	12/16/2007 15:45	12/16/2007 16:00
6/4/2007 8:10	6/4/2007 8:10	6/4/2007 8:45	6/4/2007 9:00
6/18/2007 16:30	6/18/2007 16:30	6/18/2007 17:15	6/18/2007 17:30
6/18/2007 0:00	6/18/2007 0:00	6/18/2007 0:00	6/18/2007 0:00
4/16/2007 10:56	4/16/2007 10:56	4/16/2007 11:45	4/16/2007 12:00
10/10/2007 0:00	10/10/2007 0:00	10/10/2007 0:00	10/11/2007 0:00
2/3/2008 11:15	2/3/2008 11:30	2/3/2008 12:00	2/3/2008 12:15
1/5/2008 13:15	1/5/2008 13:30	1/5/2008 14:00	1/5/2008 14:31
2/3/2008 11:15	2/3/2008 11:30	2/3/2008 12:00	2/3/2008 14:30
2/3/2008 11:15	2/3/2008 11:30	2/3/2008 12:00	2/3/2008 14:15
2/11/2008 10:00	2/11/2008 10:15	2/11/2008 10:45	2/11/2008 11:45
2/19/2008 15:45	2/19/2008 16:00	2/19/2008 16:15	2/19/2008 16:45
3/13/2008 15:30	3/13/2008 15:46	3/13/2008 16:00	3/13/2008 16:30
4/10/2008 11:45	4/10/2008 12:00	4/10/2008 12:30	4/10/2008 13:00
4/18/2008 8:25	4/18/2008 8:40	4/18/2008 9:10	4/18/2008 9:30
6/30/2008 8:40	6/30/2008 8:56	6/30/2008 9:10	6/30/2008 9:26
7/10/2008 8:00	7/10/2008 8:16	7/10/2008 8:30	7/10/2008 8:45

Debri-General
Root intrusion
Grease deposition (FOG)
Debri-General
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Debri-General
Debri-General
Debri-Rags
Pump station failure
Other (specify below)
Debri-General
Debri-General
Debri-General
Debri-Rags
Debri-General
Debri-General
Grease deposition (FOG)
Other (specify below)
Debri-Rags
Debri-Rags
Pipe structural problem/failure
Grease deposition (FOG)
Grease deposition (FOG)
Pipe structural problem/failure
Grease deposition (FOG)
Debris
Debris
Debris
Debris
Debris
Debris
Debris
Debris
Debris
Debris
Debris
Debris
Debris
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Root intrusion
Debri-General
Debri-General
Debri-General
Debri-General
Other (specify below)
Debri-General
Debri-General
Debri-General
Debri-General
Debri-General
Debri-General

Forcemain was hit by contractor setting power pole for training

Spill stopped at 1620 hrs clean up completed at 2000 hrs

Grease deposit reported to EBMUD FOG program.

Spill was caused by surcharging of City Of Alameda collection system and man hole. It appears that the EBMUD's tempo

1/2 hole in 8 force main

Spill was caused by FOG from multi family building reported to EBMUD FOG program.

Main line was repaired after CCTV inspection flow was restored on 3/15/2013

rocks and mud

Lower Lateral
Lower Lateral
Main
Lower Lateral
Lower Lateral
Main
Lower Lateral
Lower Lateral
Lower Lateral
Main
Main
Other (specify below)
Other (specify below)
Main
Main
Main
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Main
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Main
Main
Main
Main
Main

Failure occurred in main approximately 50' down stream of Manhole.

In wet weel of pump station
Force main

4 vc
4 vc
6 vc
4 VC
4 VC
6 VC
4 vc
4 VC
4 vc
8 VC

6 VC

12 VC
8 VC
8 VC
8 PL
8
10 VC

8
8

6 VCP

20
20
20
40
50
50
20
60
30
25

40
40
60
20

40

50

50

Clean up in basement will be provided by contractor.

Set up bypass pump station till station repairs made

spill was contained to storm system by first responders installing pneumatic plug in outfall to contain spill to storm water system

Protected DI and captured all of spill and returned to sanitary system. pressure washed curb and gutter area and returned
Crew responded and contained spill, deploying containment barrier, setting up combo truck to mitigate spill.
1000 gal of fluid was removed storm drain line. Plug was installed in sanitary manhole opposite plug in storm manhole

Spill was recovered and returned to sewer system. Main was inspected with CCTV and EBMUD notified of (FOG). Line h:

3/10/2009 12:30

11/19/2009 23:00

2/24/2011 11:15

4/26/2011 17:00

12/11/2011 23:00

1/2/2012 15:45

5/30/2012 21:00

8/4/2012 17:00

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

Other (specify below)

Added sewer to preventive maintenance program

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Added sewer to preventive maintenance program

Other (specify below)

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

Spill cause was cleared and system restored. Surface area was cleaned. Unable to clean storm drainage pipe due to bay

Installed new pump and motor

Notification to Elder care facility of debris found in main. Mail notification and set up meeting with manger, Date TBD.

Required EBMUD to lower Lead and lag on/off levels of temporary pump station. Also required to inspect manholes to pr will inspect sewer (cctv) on 8/7/2012. Report to EBMUD Fog after cctv inspection. Report sent 8/9/12

Yes

No

Yes

No

No

No

Yes

Yes

Clear water. No debris.

No visual affects at surface water. All liquid, no paper or solids.

All solids returned to sanitary system. The remaining overflow was all liquid.

Yes

Yes

No

No

Yes

No

No

Yes

Spill warnings were posted by East Bay Regional Parks District at Crown Beach

Crown Beach

Crown Beach alameda

Robert Crown memorial Beach

San Francisco Bay

San Francisco Bay

None

Sea plane lagoon at alameda point

None

None

none

N/A

Crown Beach Alameda

Alameda oakland estuary

N/A

Alameda Oakland Estuary

Alameda Beach

N/A

N/A

N/A

N/A

N/A

N/A

Not Applicable

Other (specify below)

Other (specify below)

No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

Biological indicator(s) - specify below

Other (specify below)

Total Coliform, Fecal Coliform, Enterococcus. Samples taken on 03/10/2009 revealed levels below accepted limits.

Bay water along Crown beach is closed for an oil spill. No samples taken due to restriction to the area. Warning signs pos

Fecal Coliform, Total Coliform, Enterococcus

Fecal coliform, Total coliform, Enterococcus

East Bay regional Parks Is handling Testing and posting spill along Beach area. Waiting for response from EBRPD test

County Health Agency

None of the above

None of the above

None of the above

County Health Agency
No water quality samples taken

None of the above

None of the above

Bay water along Crown beach is closed for an oil spill. No samples taken due to restriction to the area. Warning signs pos

East Bay Regional Parks

East Bay Regional Parks

ted for oil spill

92151	3/10/2009 11:00
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97825	11/20/2009 8:10
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110646	2/1/2011 15:35
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111110	2/23/2011 13:15
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112615	4/26/2011 19:00
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114895	8/17/2011 14:25
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115346	9/8/2011 17:36
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116869	11/18/2011 10:51
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117326	12/12/2011 6:50
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120025	1/3/2012 8:59
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123183	5/30/2012 15:40
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124541	8/4/2012 13:15
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2SSO10088	Active	735039 R Cunningham	Certified
2SSO10088	Active	735041 R Cunningham	Certified
2SSO10088	Active	735044 R Cunningham	Certified
2SSO10088	Active	735047 R Cunningham	Certified
2SSO10088	Active	735049 R Cunningham	Certified
2SSO10088	Active	735050 R Cunningham	Certified
2SSO10088	Active	735060 R Cunningham	Certified
2SSO10088	Active	735063 R Cunningham	Certified
2SSO10088	Active	735071 R Cunningham	Certified
2SSO10088	Active	735073 R Cunningham	Certified
2SSO10088	Active	735078 R Cunningham	Certified
2SSO10088	Active	735082 R Cunningham	Certified
2SSO10088	Active	735083 R Cunningham	Certified
2SSO10088	Active	735084 R Cunningham	Certified
2SSO10088	Active	735085 R Cunningham	Certified
2SSO10088	Active	735088 R Cunningham	Certified
2SSO10088	Active	735096 R Cunningham	Certified
2SSO10088	Active	735099 R Cunningham	Certified
2SSO10088	Active	735100 R Cunningham	Certified
2SSO10088	Active	735102 R Cunningham	Certified
2SSO10088	Active	735103 R Cunningham	Certified
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2SSO10088	Active	735110 R Cunningham	Certified
2SSO10088	Active	735181 R Cunningham	Certified
2SSO10088	Active	735182 R Cunningham	Certified
2SSO10088	Active	735183 R Cunningham	Certified
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2SSO10088	Active	735252 R Cunningham	Certified
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2SSO10088	Active	735261 R Cunningham	Certified
2SSO10088	Active	735265 R Cunningham	Certified
2SSO10088	Active	735754 R Cunningham	Certified
2SSO10088	Active	735756 R Cunningham	Certified
2SSO10088	Active	735759 R Cunningham	Certified
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2SSO10088	Active	735762 R Cunningham	Certified
2SSO10088	Active	735767 R Cunningham	Certified
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2SSO10088	Active	735772 R Cunningham	Certified
2SSO10088	Active	735790 R Cunningham	Certified
2SSO10088	Active	735915 R Cunningham	Certified
2SSO10088	Active	736040	Work In Progress
2SSO10088	Active	736041 R Cunningham	Certified
2SSO10088	Active	736065 R Cunningham	Certified
2SSO10088	Active	737072	Ready To Certify
2SSO10088	Active	751000	Submit Draft
2SSO10088	Active	751018 R Cunningham	Certified
2SSO10088	Active	751019 R Cunningham	Certified
2SSO10088	Active	751044 R Cunningham	Certified
2SSO10088	Active	751045 R Cunningham	Certified
2SSO10088	Active	751046 R Cunningham	Certified
2SSO10088	Active	751047 R Cunningham	Certified

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Albany, CA	874677
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Albany, CA	481918
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Albany, CA	126812
Albany, CA	814150
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Albany, CA	978263
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Albany, CA	382500
Albany, CA	792585
Albany, CA	104370
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Albany, CA	953709

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20-Mar-09	9-Apr-09	4/9/2009
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3-Apr-09	8-Apr-09	4/8/2009
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8-Apr-09	8-Apr-09	4/8/2009
4-May-09		
25-Mar-10		
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26-Mar-10	26-Mar-10	3/26/2010

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Category 3	10	10
Category 3	25	25
Category 3	5	5
Category 3	10	10
Category 3	15	15
Category 3	5	5

[illegible]

624 evelyn
1437 marin
695 gateview
411 kains
1461 marin
926 curtis
1082 peralta
1033 pomona
1124 stannage
1315 marin
1453 marin
621 spokane
1009 solano
514 cornell
1019 pomona
1562 marin
1104 masonic
1055 peralta
marin/stannage
1118 curtis
938 ramona
749 madison
928 key route
949 san pablo
920 masonic
1012 curtis
1122 masonic
900 santa fe
1082 peralta
1005 peralta
765 pierce
750 jackson
720 jackson
522 adams
522 adams
738 madison
1351 marin
1141 stannage
madison/solano
900 jackson
907 neilson
808 washington
solano and jackson
723 Pierce St
Adams Street
1017 pomona
1029 pomona
City of Albany, CA Work Order ID
City of Albany, CA
City of Albany - work order ID 1519
City of Albany - Work order ID 1501
City of Albany work order 1523
City of Albany work order 1498
City of Albany work order 1527
City of Albany work order 1496

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37.88974	-122.284919 Alameda
37.889403	-122.287486 Alameda
37.896343	-122.293466 Alameda
37.896701	-122.298497 Alameda
37.88482	-122.293342 Alameda

[illegible]

Lower lateral overflow

Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
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Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Other (specify)
Other (specify)
Manhole
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Other (specify)
Other (specify)
Manhole
Gravity sewer
Manhole
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Other (specify)
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Gravity sewer
Other (specify)
Other (specify)
Other (specify)
Gravity sewer
Gravity sewer
Gravity sewer
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure

lower lateral clean out
lower lateral clean out
lower lateral clean out
sidewalk
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
main sewer line
main sewer line

gutter
main sewer line
main sewer line
upper lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out

lower lateral clean out
main sewer

lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out
lower lateral clean out

Two curbside cleanouts

lower lateral clean out
lower lateral clean out
Lower lateral clean out

Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
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Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain
Storm drain
Storm drain
Unpaved surface
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain
Unpaved surface
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter

7/23/2008 11:45	7/23/2008 12:00	7/23/2008 13:15	7/23/2008 13:30
7/31/2008 8:50	7/31/2008 9:06	7/31/2008 9:20	7/31/2008 9:35
8/26/2008 18:15	8/26/2008 18:30	8/26/2008 19:00	8/26/2008 20:30
8/29/2008 10:50	8/29/2008 11:06	8/29/2008 11:20	8/29/2008 11:35
8/31/2008 16:15	8/31/2008 16:30	8/31/2008 17:00	8/31/2008 17:15
9/19/2008 15:45	9/19/2008 16:02	9/19/2008 16:20	9/19/2008 18:00
9/20/2008 15:15	9/20/2008 15:30	9/20/2008 16:00	9/20/2008 16:15
11/1/2008 13:15	11/1/2008 13:30	11/1/2008 14:00	11/1/2008 14:15
11/9/2008 12:10	11/9/2008 12:25	11/9/2008 12:55	11/9/2008 13:10
11/10/2008 19:15	11/10/2008 19:30	11/10/2008 20:00	11/10/2008 22:30
11/24/2008 9:00	11/24/2008 9:16	11/24/2008 9:30	11/24/2008 9:45
11/27/2008 21:20	11/27/2008 21:35	11/27/2008 22:00	11/27/2008 22:15
6/30/2008 12:52	6/30/2008 13:07	6/30/2008 13:22	6/30/2008 13:37
1/14/2008 9:08	1/14/2008 9:23	1/14/2008 9:38	1/14/2008 9:55
5/31/2008 14:45	5/31/2008 15:00	5/31/2008 15:30	5/31/2008 17:00
6/9/2008 8:50	6/9/2008 9:06	6/9/2008 9:25	6/9/2008 9:40
11/12/2008 13:10	11/12/2008 13:26	11/12/2008 13:40	11/12/2008 13:55
1/28/2008 10:22	1/28/2008 10:37	1/28/2008 10:52	1/28/2008 11:10
2/3/2008 11:45	2/3/2008 12:00	2/3/2008 12:30	2/3/2008 14:00
4/22/2008 13:13	4/22/2008 13:28	4/22/2008 13:45	4/22/2008 14:00
5/2/2008 16:10	5/2/2008 16:25	5/2/2008 16:40	5/2/2008 17:00
5/10/2008 9:25	5/10/2008 9:40	5/10/2008 10:10	5/10/2008 12:30
9/29/2008 8:40	9/29/2008 9:54	9/29/2008 10:15	9/29/2008 10:30
3/28/2008 12:33	3/28/2008 12:48	3/28/2008 13:05	3/28/2008 13:20
8/10/2008 11:45	8/10/2008 12:00	8/10/2008 12:30	8/10/2008 15:00
6/3/2008 14:45	6/3/2008 15:00	6/3/2008 15:15	6/3/2008 15:45
6/10/2008 13:50	6/10/2008 14:10	6/10/2008 14:25	6/10/2008 14:40
12/18/2008 9:45	12/18/2008 10:00	12/18/2008 10:15	12/18/2008 10:45
9/23/2008 7:25	9/23/2008 8:15	9/23/2008 8:30	9/23/2008 8:51
8/12/2008 11:15	8/12/2008 11:30	8/12/2008 11:50	8/12/2008 12:00
10/3/2008 9:45	10/3/2008 10:00	10/3/2008 10:30	10/3/2008 10:45
10/4/2008 9:45	10/4/2008 10:00	10/4/2008 10:45	10/4/2008 11:00
5/8/2008 12:00	5/8/2008 12:13	5/8/2008 12:30	5/8/2008 13:00
3/10/2009 16:25	3/10/2009 16:40	3/10/2009 17:10	3/10/2009 17:25
3/24/2009 16:00	3/24/2009 16:24	3/24/2009 16:40	3/24/2009 17:00
1/12/2009 16:15	1/12/2009 16:32	1/12/2009 17:00	1/12/2009 17:15
2/11/2009 11:40	2/11/2009 11:57	2/11/2009 12:15	2/11/2009 12:45
3/15/2009 15:15	3/15/2009 15:30	3/15/2009 16:00	3/15/2009 16:15
3/3/2009 8:45	3/3/2009 9:00	3/3/2009 9:15	3/3/2009 9:35
1/19/2009 10:10	1/19/2009 11:25	1/19/2009 11:45	1/19/2009 12:15
3/5/2009 16:15	3/5/2009 16:30	3/5/2009 16:45	3/5/2009 17:00
1/19/2009 15:00	1/19/2009 15:15	1/19/2009 15:30	1/19/2009 14:00
3/30/2009 20:00	3/30/2009 20:05	3/30/2009 20:30	3/30/2009 20:45
1/28/2009 17:30	1/28/2009 17:45	1/28/2009 18:15	1/28/2009 18:30
3/24/2009 16:15	3/24/2009 16:30	3/24/2009 17:00	3/24/2009 17:15
3/29/2009 11:15	3/29/2009 11:30	3/29/2009 12:00	3/29/2009 13:00
4/6/2009 15:15	4/6/2009 15:36	4/6/2009 16:00	4/6/2009 16:15
5/3/2009 7:45	5/3/2009 8:05	5/3/2009 8:30	5/3/2009 8:45
5/27/2009 0:00	5/27/2009 2:40	5/27/2009 0:00	5/27/2009 0:00
7/11/2009 18:50	7/11/2009 18:50	7/11/2009 18:50	7/11/2009 20:06
8/5/2009 11:56	8/5/2009 11:56	8/5/2009 11:56	8/5/2009 12:30
9/1/2009 19:00	9/1/2009 19:00	9/1/2009 19:00	9/1/2009 20:00
9/21/2009 11:01	9/21/2009 11:01	9/21/2009 11:01	9/21/2009 12:00
11/28/2009 11:30	11/28/2009 11:30	11/28/2009 11:30	11/28/2009 12:40
12/1/2009 14:39	12/1/2009 14:39	12/1/2009 14:39	12/2/2009 0:00

Debris-General
Debris-General
Debris-General
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Debris-General
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Debris-General
Pipe structural problem/failure
Root intrusion
Root intrusion
Root intrusion
Debris-General
Debris-General
Debris-General
Debris-General
Debris-General
Debris-General
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Debris-General
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Root intrusion
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Root intrusion
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Debris-General
Debris-General
Debris-General
Root intrusion
Root intrusion
Debris-General
Debris-General
Debris-General
Debris-General
Root intrusion
Debris-Rags
Root intrusion
Debris-General
Debris-General
Debris-General
Debris-General
Debris-General
Debris-General

Lower Lateral

Lower Lateral

Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral

[illegible]

9/23/2008 9:15

10/3/2008 11:15

10/4/2008 0:00

3/3/2009 10:00

3/5/2009 17:15

Other (specify below)

Other (specify below)

Other (specify below)

Repaired sewer

Plan rehabilitation or replacement of sewer

Root foamed line

Main Line root foamed
Treated line with root foam

No

No
No

No

No

No

No
No

No

No

NA

NA
NA

NA

NA

NA

NA
NA

NA

NA

No water quality samples taken

No water quality samples taken
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

None of the above

None of the above
None of the above

None of the above

None of the above

Aug-98	9/23/2008 9:30
85847	8/13/2008 13:15
Aug-61	10/3/2008 11:43
87182	10/4/2008 11:36

91815	3/3/2009 10:10
90430	1/19/2009 12:52
92045	3/5/2009 17:48
90439	1/19/2009 16:15
92647	3/31/2009 13:35
90852	1/28/2009 19:00

2SSO10088	Active	751055 R Cunningham	Certified
2SSO10088	Active	751056 R Cunningham	Certified
2SSO10088	Active	751057 R Cunningham	Certified
2SSO10088	Active	751066 R Cunningham	Certified
2SSO10088	Active	751067 R Cunningham	Certified
2SSO10088	Active	751090 R Cunningham	Certified
2SSO10088	Active	751092 R Cunningham	Certified
2SSO10088	Active	751095 R Cunningham	Certified
2SSO10088	Active	756261 R Cunningham	Certified
2SSO10088	Active	765814 Richard Cunningham	Certified
2SSO10088	Active	766254 Richard Cunningham	Certified
2SSO10088	Active	767135 Richard Cunningham	Certified
2SSO10088	Active	767137 Richard Cunningham	Certified
2SSO10088	Active	767138 Richard Cunningham	Certified
2SSO10088	Active	767139 Richard Cunningham	Certified
2SSO10088	Active	767140 Richard Cunningham	Certified
2SSO10088	Active	767141 Richard Cunningham	Certified
2SSO10088	Active	767142 Richard Cunningham	Certified
2SSO10088	Active	767144 Richard Cunningham	Certified
2SSO10088	Active	767145 Richard Cunningham	Certified
2SSO10088	Active	767146 Richard Cunningham	Certified
2SSO10088	Active	767147 Richard Cunningham	Certified
2SSO10088	Active	767148 Richard Cunningham	Certified
2SSO10088	Active	767149 Richard Cunningham	Certified
2SSO10088	Active	767150 Richard Cunningham	Certified
2SSO10088	Active	770738 Richard Cunningham	Certified
2SSO10088	Active	771972 Richard Cunningham	Certified
2SSO10088	Active	772387 Richard Cunningham	Certified
2SSO10088	Active	772388 Richard Cunningham	Certified
2SSO10088	Active	772389 Richard Cunningham	Certified
2SSO10088	Active	772390 Richard Cunningham	Certified
2SSO10088	Active	772391 Richard Cunningham	Certified
2SSO10088	Active	772393 Richard Cunningham	Certified
2SSO10088	Active	772394 Richard Cunningham	Certified
2SSO10088	Active	772395 Richard Cunningham	Certified
2SSO10088	Active	772405 Richard Cunningham	Certified
2SSO10088	Active	772565 Richard Cunningham	Certified
2SSO10088	Active	772996 Richard Cunningham	Certified
2SSO10088	Active	773604 Richard Cunningham	Certified
2SSO10088	Active	773722 Richard Cunningham	Certified
2SSO10088	Active	773725 Richard Cunningham	Certified
2SSO10088	Active	773728 Richard Cunningham	Certified
2SSO10088	Active	773730 Richard Cunningham	Certified
2SSO10088	Active	776350 Richard Cunningham	Certified
2SSO10088	Active	776351 Richard Cunningham	Certified
2SSO10088	Active	777102 Richard Cunningham	Certified
2SSO10088	Active	778830 Richard Cunningham	Certified
2SSO10088	Active	781635 Richard Cunningham	Certified
2SSO10088	Active	784401 Richard Cunningham	Certified
2SSO10088	Active	784649 Richard Cunningham	Certified
2SSO10088	Active	785774 Richard Cunningham	Certified
2SSO10088	Active	786819 Richard Cunningham	Certified
2SSO10088	Active	787894 Erin Smith	Certified
2SSO10088	Active	788609 Erin Smith	Certified
2SSO10088	Active	788819 Erin Smith	Certified

[illegible]

Albany CA	785680
Albany CA	623768
Albany CA	112892
Albany CA	307797
Albany CA	176361
Albany CA	151845
Albany CA	506851
Albany CA	959892
Albany CA	166212
	9:08 840382
	14:24 312867
	13:58 352245
	14:04 793831
	14:07 328788
	14:12 161917
	14:09 342434
	14:23 463304
	14:26 973264
	14:30 226326
	14:34 675629
	14:38 732784
	14:41 165561
	14:45 185766
	14:48 255692
	14:51 638963
	2:00 PM 430096
	13:53 254229
	15:49 223735
	14:29 332756
	15:57 735023
	14:33 633782
	14:37 185248
	16:08 602879
	16:11 531238
	16:14 338202
	9:30 951861
	14:01 656137
	14:57 398196
	15:24 274283
	9:38 688465
	9:47 702220
	9:57 406510
	10:09 687423
	14:39 614768
	14:45 770188
	14:44 900597
	16:15 403976
	9:20 209027
	11:41 568180
	13:30 696009
	16:17 987345
	10:53 622203
	11:59 147929
	11:42 203063
	8:56 336256

29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		29-Mar-10	3/29/2010
29-Mar-10		29-Mar-10	3/29/2010
23-Aug-10	8/23/2010	23-Aug-10	8/23/2010
26-Apr-11	4/26/2011	13-Feb-12	2/13/2012
9-May-11	5/9/2011	9-May-11	5/9/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
3-Jun-11	6/3/2011	3-Jun-11	6/3/2011
6-Sep-11	9/6/2011	6-Sep-11	9/6/2011
12-Oct-11	10/12/2011	16-Nov-11	11/16/2011
26-Oct-11	10/26/2011	26-Oct-11	10/26/2011
26-Oct-11	10/26/2011	26-Oct-11	2/9/2012
26-Oct-11	10/26/2011	26-Oct-11	10/26/2011
26-Oct-11	10/26/2011	26-Oct-11	2/9/2012
26-Oct-11	10/26/2011	26-Oct-11	2/9/2012
26-Oct-11	10/26/2011	26-Oct-11	10/26/2011
26-Oct-11	10/26/2011	26-Oct-11	10/26/2011
26-Oct-11	10/26/2011	26-Oct-11	10/26/2011
27-Oct-11	10/27/2011	27-Oct-11	10/27/2011
31-Oct-11	10/31/2011	31-Oct-11	2/9/2012
10-Nov-11	11/10/2011	10-Nov-11	11/10/2011
30-Nov-11	11/30/2011	30-Nov-11	11/30/2011
5-Dec-11	12/5/2011	5-Dec-11	12/5/2011
5-Dec-11	12/5/2011	5-Dec-11	12/5/2011
5-Dec-11	12/5/2011	5-Dec-11	12/5/2011
5-Dec-11	12/5/2011	5-Dec-11	12/5/2011
24-Jan-12	1/24/2012	24-Jan-12	1/24/2012
24-Jan-12	1/24/2012	24-Jan-12	1/24/2012
9-Feb-12	2/9/2012	9-Feb-12	2/9/2012
19-Mar-12	3/19/2012	19-Mar-12	3/19/2012
24-May-12	5/24/2012	25-May-12	5/25/2012
31-Jul-12	7/31/2012	31-Jul-12	7/31/2012
3-Aug-12	8/3/2012	3-Aug-12	8/3/2012
30-Aug-12	8/30/2012	30-Aug-12	8/30/2012
1-Oct-12	10/1/2012	1-Oct-12	10/1/2012
6-Nov-12	11/6/2012	6-Nov-12	11/6/2012
30-Nov-12	11/30/2012	30-Nov-12	11/30/2012
6-Dec-12	12/6/2012	6-Dec-12	12/6/2012

Category 3	15	15
Category 3	5	5
Category 3	15	15
Category 3	5	5
Category 3	5	5
Category 3	5	5
Category 3	15	15
Category 3	15	15
Category 3	150	25
Category 3	950	0
Category 1	25	0
Category 3	5	0
Category 3	5	0
Category 3	10	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	2	0
Category 3	10	0
Category 3	2	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	4	0
Category 3	5	0
Category 3	700	0
Category 1	7673	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	5	0
Category 3	10	10
Category 3	15	15
Category 3	75	20
Category 3	5	2
Category 3	15	5
Category 3	5	5
Category 3	5	0
Category 3	10	0
Category 3	10	10
Category 3	15	0
Category 3	5	5
Category 3	15	0
Category 3	5	4
Category 1	15	10
Category 3	25	10
Category 3	5	0
Category 3	10	10
Category 3	10	3
Category 3	10	0

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
25 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
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0 No	No
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0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
766 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
5 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No

Not Applicable - Spill did not reach a separate storm drainpipe

City of Albany work order 1507
City of Albany work order 1502
City of Albany work order 1510
City of Albany work order 1513
City of Albany work order 1511
City of Albany work order 1534
City of Albany work order 1514
City of Albany work order 1524
City of Albany work order 1560
1112 Curtis St
1004 Ventura Ave
911 Sante Fe Av
1013 Sante Fe Av
911 Carmel
911 Sante Fe
1019 Pomona
1218 Garfield
1089 Curtis
933 Cerrito
1330 Washington
1120 Masonic
409 Kains
624 Evelyn
711 Washington
933 Cerrito
555 Pierce Street
555 Pierce St
1063 Peralta Ave
1669 Marin Ave
604 Masonic Av
514 Cornell Ave
901 Peralta Ave
1304 Marin Ave
1364 Marin Ave
1128 Masonic Ave
1218 Garfield Ave
909 Ordway
933 Ramona Ave
855 Solano Ave
1017 Pomona Ave
933 Ramona
1021 Peralta Ave
712 San Carlos Ave
1105 Talbot Ave
1006 Sant Fe Ave
909 Ordway
707 Pierce St
Beverly Place
1315 Marin Ave
1231 Marin
932 Key Route Blvd
959 Peralta Av
728 Talbot Av
920 Carmel Av
909 Carmel Av

37.896775	-122.293446 Alameda
37.887367	-122.290029 Alameda
37.891347	-122.306292 Alameda
37.889716	-122.289154 Alameda
37.889607	-122.288013 Alameda
37.8871	-122.289375 Alameda
37.883865	-122.288779 Alameda
37.884718	-122.288766 Alameda
37.89179	-122.30222 Alameda
37.88433	-122.28915 Alameda
37.88644	-122.28393 Alameda
37.88999	-122.28814 Alameda
37.88726	-122.28839 Alameda
37.89003	-122.28926 Alameda
37.88999	-122.28814 Alameda
37.88717	-122.29041 Alameda
37.89549	-122.2973 Alameda
37.8815	-122.28994 Alameda
37.88842	-122.30174 Alameda
37.89281	-122.29154 Alameda
37.88402	-122.29174 Alameda
37.89772	-122.30008 Alameda
37.89503	-122.29617 Alameda
37.88965	-122.30686 Alameda
37.88842	-122.30174 Alameda
37.8954	-122.30777 Alameda
37.8954	-122.30777 Alameda
37.88441	-122.28609 Alameda
37.8895	-122.28239 Alameda
37.89058	-122.29357 Alameda
37.8967	-122.2985 Alameda
37.89056	-122.28513 Alameda
37.88764	-122.2917 Alameda
37.88826	-122.28879 Alameda
37.88371	-122.29164 Alameda
37.89549	-122.2973 Alameda
37.89062	-122.28407 Alameda
37.88873	-122.29013 Alameda
37.88963	-122.30308 Alameda
37.88727	-122.29045 Alameda
37.88873	-122.29013 Alameda
37.88637	-122.28534 Alameda
37.89406	-122.28942 Alameda
37.88432	-122.29309 Alameda
37.8879	-122.28887 Alameda
37.89065	-122.28421 Alameda
37.89183	-122.30639 Alameda
37.88644	-122.28353 Alameda
37.88828	-122.29127 Alameda
37.88775	-122.29388 Alameda
37.88912	-122.29261 Alameda
37.88847	-122.28456 Alameda
37.89312	-122.29645 Alameda
37.88939	-122.28966 Alameda
37.88961	-122.28912 Alameda

[illegible]

11-103-25+11-103-24

Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Manhole
Other sewer system structure
Other sewer system structure
Other sewer system structure
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Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other (specify)
Other (specify)
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Gravity sewer
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure

Downstream manhole dry - upstream manhole stacked but not surcharging

Lower Lateral
Lower LAteral
Lower Lateral
Lowe Lateral
Lower Lateral
lower lateral
lower lateral
lower lateral
Curb cleanout
Lower Lateral
Sidewalk Cleanout
curb cleanout
Lower Lateral/Curb cleanout
lower lateral/curb cleanout
lower lateral/curb cleanout
lower lateral/curb cleanout
curbside cleanout
Lower Lateral/curb cleanout
lower lateral
Lower lateral/curb cleanout
curb cleanout
curb cleanout
curb cleanout

Lower Lateral/Curb Cleanout
lower lateral cleanout
Building cleanout
Lower Lateral Cleanout

Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain
Street/curb and gutter
Separate storm drain
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Street/curb and gutter
Other paved surface
Other (specify below)
Separate storm drain;Surface water;Unpaved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Separate storm drain
Other (specify below)
Separate storm drain;Street/curb and gutter
Other (specify below)
Street/curb and gutter
Other paved surface
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Separate storm drain
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Unpaved surface;Other (specify below)
Unpaved surface

Contractor immediately built an earthen berm to collect the spill

As the attached technical report demonstrates, part of the spill percolated through an area of pervious pavement, another

Spill entered storm drain but was captured and returned to sanitary sewer system

Painting Strip (grass)

storm drain system - but was fully recovered

upon arrival crew noticed the curb cleanout had been overflowing - it ran on the curb to the catch basin. at the time of arrival

Side yard of house

12/2/2009 13:00	12/2/2009 13:00	12/2/2009 13:00	12/2/2009 13:45
5/27/2009 15:15	5/27/2009 15:15	5/27/2009 15:15	5/27/2009 16:00
7/14/2009 7:29	7/14/2009 7:29	7/14/2009 7:29	7/14/2009 8:30
8/21/2009 0:00	8/21/2009 0:00	8/21/2009 0:00	8/21/2009 0:00
9/14/2009 11:59	9/14/2009 11:59	9/14/2009 11:59	9/14/2009 12:45
12/21/2009 9:00	12/21/2009 9:00	12/21/2009 9:00	12/21/2009 9:45
8/21/2009 19:00	8/21/2009 19:00	8/21/2009 19:00	8/21/2009 19:30
9/2/2009 20:00	9/2/2009 20:00	9/2/2009 20:00	9/2/2009 21:30
8/23/2010 8:36	8/23/2010 8:36	8/23/2010 8:45	8/23/2010 9:00
4/2/2011 12:00	4/4/2011 9:00	4/4/2011 10:00	4/4/2011 10:15
5/8/2011 18:30	5/8/2011 19:30	5/8/2011 19:50	5/8/2011 21:30
1/5/2010 8:30	1/5/2010 9:30	1/5/2010 10:00	1/5/2010 10:15
1/7/2010 11:30	1/7/2010 12:15	1/7/2010 12:40	1/7/2010 13:01
1/12/2010 8:00	1/13/2010 14:00	1/13/2010 14:20	1/13/2010 14:40
1/20/2010 13:00	1/20/2010 13:45	1/20/2010 14:10	1/20/2010 14:30
2/28/2010 9:00	2/28/2010 9:15	2/28/2010 9:40	2/28/2010 10:00
3/14/2010 8:00	3/14/2010 8:20	3/14/2010 8:50	3/14/2010 9:15
3/31/2010 12:00	3/31/2010 12:19	3/31/2010 12:55	3/31/2010 13:29
8/3/2010 18:15	8/3/2010 18:35	8/3/2010 19:00	8/3/2010 19:15
10/16/2010 15:00	10/16/2010 15:25	10/16/2010 15:40	10/16/2010 16:00
11/3/2010 17:30	11/3/2010 17:50	11/3/2010 18:29	11/3/2010 19:00
11/8/2010 7:45	11/8/2010 8:16	11/8/2010 9:00	11/8/2010 9:15
11/8/2010 18:00	11/8/2010 18:19	11/8/2010 19:15	11/8/2010 19:50
11/17/2010 20:00	11/17/2010 20:15	11/17/2010 20:30	11/17/2010 21:00
11/27/2010 10:30	11/27/2010 10:40	11/27/2010 10:55	11/27/2010 11:20
8/26/2011 3:00	8/26/2011 3:00	8/26/2011 3:30	8/26/2011 5:00
10/10/2011 6:45	10/10/2011 6:45	10/10/2011 7:30	10/10/2011 8:45
1/10/2011 12:13	1/10/2011 12:13	1/10/2011 13:00	1/10/2011 13:30
1/14/2011 10:46	1/14/2011 10:46	1/14/2011 11:00	1/14/2011 11:30
1/28/2011 8:45	1/28/2011 8:45	1/28/2011 9:00	1/28/2011 9:15
2/27/2011 17:00	2/27/2011 17:00	2/27/2011 17:15	2/27/2011 17:30
3/3/2011 16:00	3/3/2011 16:00	3/3/2011 16:30	3/3/2011 17:00
5/1/2011 11:45	5/1/2011 11:45	5/1/2011 12:15	5/1/2011 13:25
10/16/2011 10:00	10/16/2011 10:00	10/16/2011 11:00	10/16/2011 11:30
10/16/2011 17:49	10/16/2011 17:49	10/16/2011 18:00	10/16/2011 18:10
10/21/2011 10:09	10/21/2011 10:09	10/21/2011 10:45	10/21/2011 11:00
9/9/2011 15:00	9/9/2011 15:00	9/9/2011 15:30	9/9/2011 16:30
11/10/2011 10:40	11/10/2011 10:40	11/10/2011 11:15	11/10/2011 11:25
11/29/2011 8:45	11/29/2011 8:45	11/29/2011 8:50	11/29/2011 9:15
11/25/2011 11:15	11/25/2011 11:15	11/25/2011 11:45	11/25/2011 12:00
11/14/2011 10:00	11/14/2011 10:00	11/14/2011 11:00	11/14/2011 11:15
10/31/2011 8:30	10/31/2011 8:30	10/31/2011 8:40	10/31/2011 9:00
9/12/2011 8:30	9/12/2011 8:30	9/12/2011 9:00	9/12/2011 9:30
12/8/2011 7:45	12/8/2011 7:45	12/8/2011 8:10	12/8/2011 8:20
12/4/2011 9:20	12/4/2011 9:20	12/4/2011 9:45	12/4/2011 10:00
6/24/2011 17:00	6/24/2011 17:00	6/24/2011 18:00	6/24/2011 18:15
1/13/2012 0:00	1/17/2012 10:00	1/17/2012 10:15	1/17/2012 10:15
5/16/2012 12:30	5/16/2012 13:48	5/16/2012 14:00	5/16/2012 14:00
7/2/2012 10:15	7/2/2012 10:30	7/2/2012 10:45	7/2/2012 11:00
8/2/2012 20:00	8/2/2012 20:15	8/2/2012 20:20	8/2/2012 20:40
8/27/2012 19:15	8/27/2012 19:25	8/27/2012 19:35	8/27/2012 21:30
7/20/2012 9:20	7/20/2012 9:43	7/20/2012 10:00	7/20/2012 10:15
11/1/2012 11:30	11/1/2012 11:38	11/1/2012 11:45	11/1/2012 12:30
11/21/2012 15:30	11/21/2012 15:45	11/21/2012 16:00	11/21/2012 16:45
12/4/2012 10:25	12/4/2012 10:35	12/4/2012 11:00	12/4/2012 11:15

Debri-General
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-General
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Debri-General
Debri-General
Debri-General
Other (specify below)
Other (specify below)
Root intrusion
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Root intrusion
Root intrusion
Root intrusion
Pipe structural problem/failure
Root intrusion
Root intrusion
Pipe structural problem/failure
Root intrusion
Other (specify below)
Debri-Rags
Debri-General
Root intrusion
Other (specify below)
Debri-General
Root intrusion
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion

loose roots from upstream, handy wips, rocks, etc..

Contractor hit manhole with pavement grinder; top of manhole removed, rocks fell in and caused backup
A fragment of a manhole frame and gravel blocked flow through the mainline

unknown

unknown
unknown

Roots and handi-wipes

Rocks/Broken Connections

and Grease

Lower Lateral
Lower Lateral

Main
Main
Main
Main
Main
Lower Lateral
Lower Lateral
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Other (specify below)
Other (specify below)
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Lower Lateral

Manhole

Blockage was in mainline and overflow occurred from manhole

Lower lateral and connection at main

6 VCP
6 Clay

8 VCP

Flow was restored; Site disinfected and cleaned up

Please see attached technical report

Photos taken

8/23/2010 10:00

5/8/2011 21:30

11/16/2011 13:38

11/29/2011 10:45

11/14/2011 11:30

5/16/2012 16:00

8/3/2012 9:00

8/27/2012 21:35

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program;Other (specify below)

Other (specify below)

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program

Other (specify below)

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Upstream manhole to be rehabilitated

The line was flushed and clear of debris. In response to event, the City will evaluate integrating the televising of lines dur

Will monitor lower lateral performance and consider putting it on replacement list

No

No

No

No

No

No

No

No

NA

No

No

No

Yes

No

No

No

No

NA

None

	NA
	Not Applicable
	SF Bay
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	Cerrito Creek and SF Bay
	None
	None
	None
	None
	None
	None
	None
	None
	None
	none
	None
	None
	None
	None
	None
	None
	None
	None
	NA
	None
	None
	None
	None
	None
	None

Not applicable to this spill

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

None of the above

None of the above

None of the above

None of the above

Not applicable to this spill

None of the above

None of the above
No water quality samples taken

105037	8/23/2010 15:50
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112854	5/8/2011 21:42
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116031	10/10/2011 12:02
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116690	11/10/2011 12:05
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117065	11/29/2011 10:00
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116762	11/14/2011 11:30
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116494	10/31/2011 10:25
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122924	5/16/2012 15:50
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124515	8/2/2012 21:00
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125119	8/27/2012 20:30
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2SSO10088	Active	791645 Ray Chan	Certified
2SSO10088	Active	791647 Ray Chan	Certified
2SSO10088	Active	791649 Ray Chan	Certified
2SSO10088	Active	791938 Ray Chan	Certified
2SSO10088	Active	791944 Ray Chan	Certified
2SSO10088	Active	792511 Ray Chan	Certified
2SSO10088	Active	792639 Ray Chan	Certified
2SSO10088	Active	792640 Ray Chan	Certified
2SSO10088	Active	792641 Ray Chan	Certified
2SSO10088	Active	793189 Ray Chan	Certified
2SSO10088	Active	793533 Ray Chan	Certified
2SSO10088	Active	793599 Ray Chan	Certified
2SSO10088	Active	794944 ray chan	Certified
2SSO10088	Active	796681 Ray Chan	Certified
2SSO10088	Active	796684 Ray Chan	Certified
2SSO10088	Active	796685 Ray Chan	Certified
2SSO10088	Active	797347 Ray Chan	Certified
2SSO10088	Active	798037 Ray Chan	Certified
2SSO10088	Active	798038 Ray Chan	Certified
2SSO10088	Active	798091 Ray Chan	Certified
2SSO10088	Active	799609 Ray Chan	Certified
2SSO10088	Active	799749 Ray Chan	Certified
2SSO10088	Active	800184 Ray Chan	Certified
2SSO10088	Active	801158	Submit Draft
2SSO10089	Active	651694 Bonner Beuhler	Certified
2SSO10089	Active	653821 Frank Beuhler	Certified
2SSO10089	Active	653825 Frank Beuhler	Certified
2SSO10089	Active	655328 Bonner Beuhler	Certified
2SSO10089	Active	705756 Bonner Beuhler	Certified
2SSO10089	Active	707901 Bonner Beuhler	Certified
2SSO10089	Active	745350 Bonner Beuhler	Certified
2SSO10089	Active	754178 Bonner Beuhler	Certified
2SSO10089	Active	759570 Bonner Beuhler	Certified
2SSO10089	Active	768812 Bonner Beuhler	Certified
2SSO10089	Active	771784 Bonner Beuhler	Certified
2SSO10089	Active	776248 Bonner Beuhler	Certified
2SSO10089	Active	776843 Bonner Beuhler	Certified
2SSO10089	Active	786731 Bonner Beuhler	Certified
2SSO10089	Active	787856 Bonner Beuhler	Certified
2SSO10089	Active	788413 Bonner Beuhler	Certified
2SSO10089	Active	798398 Bonner Beuhler	Certified
2SSO10089	Active	800171 Bonner Beuhler	Certified
2SSO10090	Active	728999 Tom Roberts	Certified
2SSO10090	Active	730059	Ready To Certify
2SSO10090	Active	733063 Tom Roberts	Certified
2SSO10090	Active	736076 Tom Roberts	Certified
2SSO10090	Active	748063 Tom Roberts	Certified
2SSO10091	Active	726585 Larry Luporini	Certified
2SSO10091	Active	732216 Tom Borman	Certified
2SSO10091	Active	733809 Thomas J Borman	Certified
2SSO10091	Active	752413 Larry Luporini	Certified
2SSO10091	Active	752845 Larry Luporini	Certified
2SSO10091	Active	758525 Larry Luporini	Certified
2SSO10091	Active	762709 Larry Luporini	Certified
2SSO10091	Active	769998 Michael W Throne	Certified

PW Director/City Engineer
PW Director/City Engineer
PW Director/City Engineer
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PW Director/City Engineer
PW Director/City Engineer
PW Director/City Engineer
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PW Director/City Engineer
Public Works Director/City Engineer
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Public Works Director/City Engineer
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Public Works Director/City Engineer
PW Director/City Engineer
PW Director/City Engineer
PW Director/City Engineer
Public Works Director/City Engineer

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Manager

Manager
Manager
Manager
Public Works Superintendent
Interim Public Works Superintendent
Interim Superintendent
Public Works Superintendent
Public works Superintendent
Public Works Superintendent
Public Works Superintdent
Public Works Director

Albany, CA	930854
Albany, CA	710532
Albany, CA	108432
Albany	473244
Albany	414179
Albany, CA	824826
Albany, CA	360918
Albany, CA	742514
Albany, CA	664738
Albany, CA	898475
Albany, CA	578701
Albany, CA	358083
Albany, CA	893366
City of Albany	554060
City of Albany	361128
City of Albany	142625
City of Albany, CA	984376
Albany, CA	143507
Albany, CA	264012
Albany, CA	231286
Albany, CA	698336
Albany, CA	925501
Albany, CA	346401
Tiburon, CA	867907
Tiburon	964261
Tiburon, CA	203335
Tiburon, CA 94920	477994
Tiburon	928626
Tiburon, CA	513224
New Orleans, LA	599657
Mill Valley, CA	476825
Mill Valley, CA	246432
Mill Valley, CA 94941	466522
Mill Valley, CA 94941	954556
Mill Valley, CA 94941	942043
Mill Valley, CA 94941	410394
Mill Valley, CA 94941	574870
m	457335
Mill Valley, CA 94941	434232
Mill Valley, CA	890629
Mill Valley, CA	209977
Mill Valley, Marin County	133559
Mill Valley, Marin County	849507
Mill Valley, Marin County	705465
Mill Valley, Marin Co.	424291
	1/31/2011 205707
American Canyon	932334
	2/17/2009 277702
1:20pm	838661
3:05pm	869917
	11/15/2010 177461
3:59pm	118519
American Canyon, California	954333

13-Feb-13	2/13/2013	13-Feb-13	2/13/2013
13-Feb-13	2/13/2013	13-Feb-13	2/13/2013
13-Feb-13	2/13/2013	13-Feb-13	2/13/2013
22-Feb-13	2/22/2013	26-Feb-13	2/26/2013
22-Feb-13	2/22/2013	26-Feb-13	2/26/2013
11-Mar-13	3/11/2013	14-Mar-13	3/14/2013
14-Mar-13	3/14/2013	14-Mar-13	3/14/2013
14-Mar-13	3/14/2013	14-Mar-13	3/14/2013
14-Mar-13	3/14/2013	14-Mar-13	3/14/2013
4-Apr-13	4/4/2013	8-Apr-13	4/8/2013
19-Apr-13	4/19/2013	19-Apr-13	4/19/2013
24-Apr-13	4/24/2013	24-Apr-13	4/24/2013
7-Jun-13	6/7/2013	18-Jun-13	6/18/2013
11-Jul-13	7/11/2013	14-Jul-13	7/14/2013
11-Jul-13	7/11/2013	14-Jul-13	7/14/2013
11-Jul-13	7/11/2013	14-Jul-13	7/14/2013
29-Jul-13	7/29/2013	29-Jul-13	7/29/2013
20-Aug-13	8/20/2013	20-Aug-13	8/20/2013
20-Aug-13	8/20/2013	20-Aug-13	8/20/2013
21-Aug-13	8/21/2013	14-Oct-13	10/14/2013
9-Oct-13	10/9/2013	14-Oct-13	10/14/2013
14-Oct-13	10/14/2013	18-Oct-13	10/18/2013
24-Oct-13	10/24/2013	25-Oct-13	10/25/2013
26-Nov-13	11/26/2013		
12-Jun-07		12-Jun-07	6/12/2007
9-Jul-07		9-Jul-07	7/9/2007
9-Jul-07		9-Jul-07	7/9/2007
6-Aug-07		6-Aug-07	8/6/2007
19-Oct-07		19-Oct-07	10/19/2007
19-Nov-07		19-Nov-07	11/19/2007
5-Oct-09		5-Oct-09	10/8/2009
30-Jun-10	6/30/2010	30-Jun-10	6/30/2010
20-Dec-10	12/20/2010	20-Dec-10	12/20/2010
21-Jul-11	7/21/2011	21-Jul-11	7/21/2011
5-Oct-11	10/5/2011	5-Oct-11	10/5/2011
23-Jan-12	1/23/2012	23-Jan-12	1/23/2012
3-Feb-12	2/3/2012	3-Feb-12	2/3/2012
28-Sep-12	9/28/2012	28-Sep-12	10/10/2012
5-Nov-12	11/5/2012	5-Nov-12	11/5/2012
27-Nov-12	11/27/2012	27-Nov-12	11/27/2012
3-Sep-13	9/3/2013	3-Sep-13	9/3/2013
24-Oct-13	10/24/2013	29-Oct-13	10/29/2013
6-Nov-08		6-Nov-08	11/6/2008
2-Dec-08			
4-Feb-09		4-Feb-09	2/4/2009
9-Apr-09		9-Apr-09	4/9/2009
1-Jan-10		1-Jan-10	1/1/2010
19-Sep-08		31-Jan-11	1/31/2011
21-Jan-09		28-Jan-09	1/28/2009
17-Feb-09		17-Feb-09	2/17/2009
14-May-10	5/14/2010	14-May-10	5/14/2010
1-Jun-10	6/1/2010	1-Jun-10	6/1/2010
15-Nov-10	11/15/2010	15-Nov-10	11/15/2010
9-Feb-11	2/9/2011	17-Feb-11	2/17/2011
18-Aug-11	8/18/2011	25-Aug-11	8/25/2011

Category 3		5	0
Category 3		5	0
Category 3		15	10
Category 3		10	0
Category 3		5	5
Category 3		5	4
Category 3		5	5
Category 3		5	5
Category 3		5	5
Category 3		10	8
Category 3		5	5
Category 3		10	10
Category 3		10	8
Category 3		30	0
Category 3		5	0
Category 3		10	10
Category 3		5	3
Category 3		5	3
Category 3		5	3
Category 3		10	10
Category 3	10	10	5
Category 3	5	5	5
Category 3	10	10	7
Category 3	5	5	0
Category 3		600	0
Category 3		100	
Category 3		50	
Category 3		10	0
Category 3		200	
Category 3		20	
Category 3		150	5
Category 3		100	0
Category 3		50	0
Category 3		300	0
Category 3		300	100
Category 3		20	15
Category 3		150	30
Category 3		25	0
Category 3		100	0
Category 3		25	0
Category 3		600	0
Category 1	50	600	400
Category 3		15	0
Category 3		30	0
Category 3		100	100
Category 3		30	0
Category 3		20	0
Category 3		150	150
Category 3		200	200
Category 3		200	200
Category 3		450	450
Category 3		100	100
Category 3		500	500
Category 1		3300	0
Category 2		40000	40000

[illegible]

ED 006495 00001076-00567

1036 Masonic Av
727 Talbot Av
1127 Curtis St
1134 Santa Fe Av
1365 Solano
1014 Cornell
801 San Carlos
809 Talbot
802 Talbot
1437 Marin Av
1021 Peralta Av
1345 Washington Av
1017 Ramona Av
830 Hillside
1128 Masonic
1332 Marin Ave
760 Gateview Ave
415 Talbot
760 Gateview
1120 Neilson
1364 Marin
1315 Marin
1441 Washington
601 Curtis St
MHA 520.09
LH A 722.01
193 Lavender Lane
151 Lark Lane
MH A 300.17
LHA 720.21
Rosemont Avenue and Almonte Blvd
MH 640.03
MH 520.19
MH A 300.17
MH A 300.13
LH A 220.15
278 Morning Sun Avenue
LHA 220.03
L HA 642.21
MH A 640.09
LH A 502.03
162 Lark Lane
10 Shell Road
43 and 41 Lomita Drive
4 Meadow Drive
39 Shell Road
Patricia Lane & Lomita Drive
205 Wetlands Edge Rd (City Of American Canyon Corp Yard)
Mezzetta Court
Wilson Way
West Carolyn & Rio Grande
Kingsly Court
Intersection of Wilson & Andrew
Broadway & Cartagena
Napa County Airport

37.88631	-122.29248 Alameda
37.89317	-122.29593 Alameda
37.88374	-122.28883 Alameda
37.88363	-122.29035 Alameda
37.89085	-122.29079 Alameda
37.88653	-122.29523 Alameda
37.89272	-122.28896 Alameda
37.89207	-122.29557 Alameda
37.89235	-122.29612 Alameda
37.88883	-122.28868 Alameda
37.88637	-122.28534 Alameda
37.89321	-122.2904 Alameda
37.8871	-122.28937 Alameda
37.89072	-122.30496 Alameda
37.88371	-122.29164 Alameda
37.88797	-122.29008 Alameda
37.88991	-122.30519 Alameda
37.89848	-122.29762 Alameda
37.88991	-122.30519 Alameda
37.88339	-122.28859 Alameda
37.88826	-122.28879 Alameda
37.88828	-122.29127 Alameda
37.89316	-122.28885 Alameda
37.89678	-122.28701 Alameda
37.886667	122.528611 Marin
37.881667	122.526944 Marin
37.886944	122.526111 Marin
37.888336	122.527504 Marin
37.88926	122.52966 Marin
37.8821	122.52876 Marin
37.88418	-122.52492 Marin
37.88443	-122.52571 Marin
37.88665	-122.52982 Marin
37.88926	-122.52963 Marin
37.88894	-122.53018 Marin
37.88927	-122.53178 Marin
37.88178	-122.52757 Marin
37.89042	-122.53164 Marin
37.8849	-122.52671 Marin
37.88486	-122.52769 Marin
37.88688	-122.52572 Marin
37.88739	-122.5279 Marin
37.906222	122.532222 Marin
37.9065	122.517361 Marin
37.905722	122.515972 Marin
37.905833	-122.518333 Marin
37.906111	-122.521944 Marin
38.170002	122.26 Napa
38.19379	122.27542 Napa
38.17277	122.25875 Napa
38.17614	-122.267 Napa
38.16275	-122.26201 Napa
38.17271	-122.25874 Napa
38.16022	-122.25135 Napa
38.2108506	-122.2670897 Napa

[illegible]

Rod hole in backyard easement of 211 California Avenue
Rod hole in front of 276 Morning Sun Avenue

Rod hole in front of 151 Lark Lane

Rod hole at beginning of sewer run on Cleveland Ct.
Rod hole in intersection of Rosemont Avenue and Almonte Blvd. near 228 Almonte Blvd
Manhole 640.03 in the intersection of Rosemont Avenue and Morning Sun Avenue.
Manhole in front of 210 Princeton Avenue
MH in gravel area off road.

Rod hole in street between 66 and 64 Morning Sun Avenue
From private cleanout at 278 Morning Sun due to a stoppage in district sewer
Rod hole in backyard of 25 Homestead Blvd.
Rod hole in backyard of 222 Beryl Street.
MH at side of road on Rosemont and Greene
Intermittent overflow from rodhole in street in front of 167 Lavender Lane, Mill Valley, CA. Only 4 homes connected to sewer

Overflow from manhole
In yard area between above cited addresses
Overflowing cleanout in paved street.
Back yard area.
Overflowing Manhole
Emergency Over Flow pond in City corporation yard

overflowing manhole, sand bag gutter, rod main to remove blockage, vacate all spill area and clean, take material to wastewater treatment plant
Intersection of West Carolyn & Rio del Mar
End of court, spill coming from manhole, customer noticed on way to work.
Overflow coming out of manhole at the intersection of Andrew & Wilson
Intersection of Broadway & Cartagena, grease and debris plugged main, resulting in overflow going into Walsh Creek
Spill location in roadside area between Airport Rd and California Northern RR track. Water flowed into drainage ditch between

1
1
1
1

wer. Sewer partially plugged, not overflic
1

p

ween road and RR tracks. Location south

Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Other sewer system structure
Manhole
Other (specify)
Manhole
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Manhole
Lateral Clean Out (Private)
Pump station
Manhole
Other sewer system structure
Other sewer system structure
Gravity sewer;Manhole
Other (specify)
Manhole
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Force main or pressure sewer

Lower Cleanout and Upper Building Cleanout

Curb cleanout

Lower cleanout

Lower Cleanout

Lower cleanout

Lower Lateral Cleanout

Lower lateral cleanout

Lower lateral cleanout

Lower lateral cleanout

Lower Lateral Cleanout

Lower Lateral Cleanout

Lower Lateral Cleanout

lower lateral

Lower Lateral cleanout in backyard

Lower lateral curb cleanout

Lower Lateral Curb Cleanout

Lower lateral cleanout

lower lateral cleanout

lower lateral cleanout

Lower lateral cleanout

6 inch rod hole

From cracks in street. Rod hole buried under asphalt.

cleanout at the side of 278 Morning Sun Avenue

Overflow from cleanout.

Leaking control valve

Unpaved surface
Other paved surface
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Other paved surface
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Other paved surface
Other paved surface
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/Curb and Gutter
Unpaved surface
Street/Curb and Gutter
Street/Curb and Gutter
Unpaved surface
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Street/curb and gutter;Unpaved surface
Street/curb and gutter;Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface
Separate storm drain;Street/curb and gutter;Unpaved surface
Unpaved surface
Other (specify below)
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Drainage Channel
Unpaved surface
Unpaved surface
Other paved surface
Unpaved surface
Unpaved surface
Other (specify below)
Storm drain;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Other paved surface;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Other (specify below)
Other paved surface;Unpaved surface;Other (specify below)

Sidewalk

12/
Sidewalk

Sidewalk

Part of spill entered storm drain which exited across street to an unpaved drainage culvert. Vactored up pooled sewage a

Unpaved yard/land

Contained in paved gutter and cleaned up.

Roadside gutter
Emergency over flow pond

Walsh Creek
Contained in drainage ditch paralleling railroad track, in adjacent undeveloped land area and edge of traveled way

1/29/2013 19:15	1/29/2013 19:15	1/29/2013 19:35	1/29/2013 20:00
2/12/2013 9:30	2/12/2013 9:30	2/12/2013 10:00	2/12/2013 12:00
11/24/2012 12:45	11/24/2012 12:15	11/24/2012 13:00	11/24/2012 13:30
1/30/2013 10:00	1/30/2013 10:20	1/30/2013 10:45	1/30/2013 11:30
2/16/2013 12:30	2/16/2013 12:15	2/16/2013 13:00	2/16/2013 13:15
3/2/2013 14:45	3/2/2013 14:46	3/2/2013 15:35	3/2/2013 15:50
1/21/2013 11:15	1/21/2013 11:05	1/21/2013 11:30	1/21/2013 11:45
1/24/2013 11:30	1/24/2013 11:35	1/24/2013 11:45	1/24/2013 12:00
1/31/2013 17:00	1/31/2013 17:05	1/31/2013 17:30	1/31/2013 18:00
4/3/2013 13:57	4/4/2013 13:57	4/4/2013 14:20	4/4/2013 14:30
4/7/2013 14:00	4/8/2013 9:00	4/8/2013 9:15	4/8/2013 9:30
4/21/2013 9:45	4/21/2013 10:00	4/21/2013 10:30	4/21/2013 11:15
6/3/2013 14:20	6/3/2013 12:00	6/3/2013 2:30	6/3/2013 3:00
6/29/2013 21:45	6/29/2013 22:00	7/1/2013 9:25	7/1/2013 12:15
7/9/2013 7:45	7/9/2013 8:00	7/9/2013 8:30	7/9/2013 9:30
7/5/2013 8:00	7/5/2013 8:16	7/5/2013 8:35	7/5/2013 9:35
7/23/2013 13:43	7/23/2013 13:43	7/23/2013 13:55	7/23/2013 14:30
8/15/2013 18:00	8/15/2013 18:00	8/15/2013 18:15	8/15/2013 19:00
8/17/2013 9:00	8/17/2013 9:00	8/17/2013 10:20	8/17/2013 11:00
8/21/2013 9:01	8/21/2013 9:01	8/21/2013 9:20	8/21/2013 9:30
9/20/2013 10:30	9/20/2013 10:37	9/20/2013 11:30	9/20/2013 12:15
10/11/2013 13:20	10/11/2013 13:16	10/11/2013 13:28	10/11/2013 13:40
10/24/2013 10:20	10/24/2013 10:17	10/24/2013 10:25	10/24/2013 10:30
11/25/2013 13:44	11/25/2013 13:54	11/25/2013 14:10	11/25/2013 14:15
6/10/2007 15:00	6/10/2007 17:05	6/10/2007 17:45	6/10/2007 18:15
6/30/2007 17:05	6/30/2006 17:15	6/30/2007 18:00	6/30/2007 18:45
7/1/2007 17:30	7/1/2007 17:25	7/1/2007 18:25	7/1/2007 19:06
7/26/2007 16:00	7/26/2007 16:05	7/26/2007 16:20	7/26/2007 16:30
10/17/2007 15:00	10/17/2007 15:20	10/17/2007 15:35	10/17/2007 15:45
11/16/2007 15:45	11/16/2007 16:15	11/16/2007 16:15	11/16/2007 16:15
10/2/2009 7:40	10/2/2009 7:45	10/2/2009 7:50	10/2/2009 8:15
6/28/2010 7:30	6/28/2010 7:46	6/28/2010 8:00	6/28/2010 8:06
12/16/2010 10:55	12/16/2010 10:59	12/16/2010 11:20	12/16/2010 11:40
7/20/2011 21:00	7/20/2011 21:00	7/20/2011 21:45	7/20/2011 22:05
9/30/2011 18:45	9/30/2011 18:50	9/30/2011 19:00	9/30/2011 20:00
1/21/2012 13:45	1/21/2012 13:50	1/21/2012 14:45	1/21/2012 15:10
2/2/2012 20:00	2/2/2012 21:30	2/2/2012 22:15	2/2/2012 22:40
9/20/2012 10:25	9/20/2012 10:30	9/20/2012 10:35	9/20/2012 11:00
11/2/2012 12:00	11/2/2012 14:30	11/2/2012 15:15	11/2/2012 15:45
11/12/2012 6:45	11/12/2012 7:00	11/12/2012 7:30	11/12/2012 8:00
8/23/2013 19:30	8/29/2013 11:30	8/29/2013 11:35	8/29/2013 12:00
10/24/2013 9:00	10/24/2013 9:18	10/24/2013 9:30	10/24/2013 10:00
10/19/2008 8:15	10/19/2008 8:15	10/19/2008 8:28	10/19/2008 8:25
11/19/2008 1:45	11/19/2008 1:45	11/19/2008 2:00	11/19/2008 3:00
1/8/2009 9:15	1/8/2009 9:15	1/8/2009 9:15	1/8/2009 10:30
3/8/2009 12:00	3/8/2009 12:00	3/8/2009 12:30	3/8/2009 1:00
12/28/2009 12:15	12/28/2009 12:15	12/28/2009 12:15	12/28/2009 12:30
9/19/2008 9:00	9/19/2008 9:00	9/19/2008 9:00	9/19/2008 10:00
1/21/2009 10:22	1/21/2009 10:22	1/21/2009 10:22	1/21/2009 10:32
2/16/2009 16:17	2/16/2009 16:17	2/16/2009 16:30	2/16/2009 16:40
5/14/2010 9:00	5/14/2010 9:00	5/14/2010 9:10	5/14/2010 9:17
6/1/2010 7:30	6/1/2010 7:30	6/1/2010 7:40	6/1/2010 7:52
11/12/2010 11:35	11/12/2010 11:35	11/12/2010 11:45	11/12/2010 12:15
6/8/2007 6:24	6/8/2007 6:24	6/8/2007 6:30	6/8/2007 7:30
8/18/2011 17:30	8/18/2011 17:44	8/18/2011 18:00	8/19/2011 18:00

Root intrusion
Debris-General
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Pipe structural problem/failure
Pipe structural problem/failure
Debris-General
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debris-General
Pipe structural problem/failure
Pipe structural problem/failure
Root Intrusion
Grease Deposition (FOG)
Root Intrusion
Root Intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debris-Rags
Root intrusion
Root intrusion
Other (specify below)
Debris-Rags
Root intrusion
Debris-General
Debris-Rags
Root intrusion
Root intrusion
Root Intrusion
Root intrusion
Other (specify below)
Root intrusion
Debris-General
Other (specify below)
Pipe structural problem/failure
Pump station failure
Debris-Rags
Debris-General
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Pipe structural problem/failure

Pipe failed from root intrusion

and debris

Rod hole not overflowing when I arrived or during cleaning. Only a couple of houses on line at point of stoppage. Opened
Probable root mass from private lateral hung up in flow channel of manhole where district line joins SASM line
Handi-wipes collected on piece of broken pipe and 3" diameter rock, later removed from pipe.
Root ball from private lateral lodged in mouth of discharge sewer pipe in manhole. Trapped roots in downstream manhole
Roots and paper
Contractor left 1/4 inch polyethelene rope for pipe repair project in sewer which eventually ragged up, blocking sewer.
Handi Wipes
Root ball just ahead of entry to downstream manhole
Partial stoppage, removed pieces of VCP pipe and rags. Line had been cleaned previously (within the week) Line is scheduled
Combination of roots and handiwipes
4 inch root ball from private lateral lodged in MH outlet partially blocking outflow from MH.

Clothing

Paper, grit/gravel

Slow leaking valve and closed valve caused the diversion to the emergency overflow pond

Grease and debris clogged main

Blow-out type failure of AC pipe material due to age (installed c. 1975) and corrosive gas from effluent

Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Other (specify below)
Lower Lateral (Public)
Lower Lateral (Public)
Lower Lateral (Public)
Lower Lateral (Public)

line at about 1715 hrs

Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Gravity Mainline

Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main

At the connection of the lower lateral and cleanout - the band failed and roots intruded

Top of pipe approximately 5-feet below grade

No
No
No
No

6 VCP

6
6 VCP
6 VCP
6
6 VCP
6 VCP
6 VCP
6 VCP
6 VCP
6 VCP
6 Plastic
6 VCP
6 VCP
6 VCP
6 VCP
6 VCP
6 VCP
6 Clay

No

6 Clay
6
6 Clay
26 DI
6 PVC
6 clay
6 Clay
6 PVC
8 A/C
8 steel
18 AC

55
50
50

60
5
60

50
50

50

50

50
30
20
35
40
15
40
50
35

Property owner sent email to Public Works on Saturday 6/29/13 at 10 PM. PW received email Monday morning and responded.

Although this lower lateral was already replaced, roots made it into the riser through a failed band at the T connection. City

Cleared stoppage with rodder, used Vactor to wash down and remove sewage in curb and gutter area

Cleaned up spill, used pump truck to collect pooled sewage from culvert at back of home and returned to sewer. Washed
Restored flow, vactored up sewage and wash water. Only about 10 homes connected to sewer, very small and intermittent
Will televise next week.

IN the records I could find, health warnings were posted along the effected creek channel for 7 days, street/gutter was lim

2/2/2012 23:55

10/24/2013 12:30

6/8/2007 11:30
8/19/2011 18:00

Other (specify below)

Inspected Sewer Using CCTV to Determine Cause;Other (specify below);Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer;Repaired sewer;Other

Run had been replaced in 2007, will televise to determine if pipe needs rehabilitation

Televised sewer, determining corrective action required

Force main is scheduled for replacement by 2012 as condition of approval of nearby business park development

No

No

No
Yes

Did not reach receiving water.

No untreated effluent reached receiving waters

No

No

No

Yes
Yes

NA

None

None
None
None
None
None
None
None
None
None
None
None
None
None
None

None
None
None
None
None
None

N/A
NA

N/A
N/A, no surface water impact.

N/A
NA

none
Walsh Creek
No applicable - spill did not reach waters

Not applicable to this spill

No water quality samples taken

Other (specify below)
Not applicable to this spill

Can find no record of samples being taken

None of the above

No water quality samples taken

None of the above
No water quality samples taken

No record of samples being taken, did check with Napa County Health, they have no record of sampling or being contacte

Visual Observation and estimate based on connected homes.

ed.

73474
114924

6/8/2007 6:30
8/18/2011 21:45

Erin Smith, Program Manager
Erin Smith Regulatory Analyst
Erin Smith
Erin Smith Program Manager

5105594270
5105594270
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Bonner Beuhler

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